

CPS HP5 Series

Stay
True to
Our
Mission

1993-2023

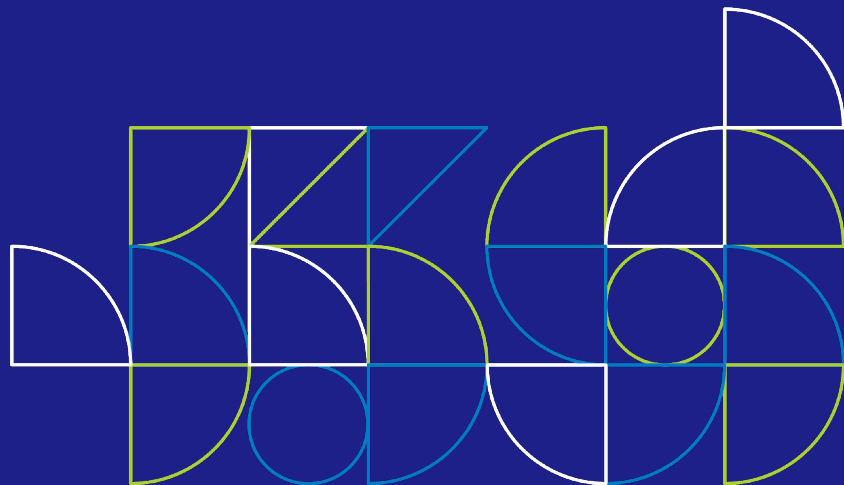


Julio Roland
Engineer Support



Agenda

- Funcionalidades HP5 Series
- CPS



Funcionalidades HP5 Series



HP5 Series



- UHF1: 400-527Mhz
- VHF: 136-174Mhz
- UHF3: 350-400Mhz **em breve**
- Potência de RF: 1/4w - 1/5w
- 256 / 512 Canais
- Bateria Li-ion 1500mAh (15h -5-5-90)
- Bluetooth 5.2 **OPCIONAL**
- USB tipo-C – Carrega, Configura, Atualiza
- GPS **OPCIONAL**
- Alugar
- Mix Rx
- Sinalização Analógica (HDC1200, 2/5Tons)
- IP67
- XPT **Licença**
- Criptografia básica
- Monitor remoto **Licença**
- Verificar rádio
- Roaming
- Prioridade de interrupção **Licença**
- Habilitar / desabilitar **Licença**
- Pseudo Trunk
- Lone Worker
- RRS
- Display 1.45p 240x320p LCD



HP5 SERIES

- **Melhor qualidade e volume de voz em qualquer ambiente !**
- **Carregamento mais rápido!**
- **Maior robustez e segurança**
- **Faça o Rastreo da sua força de trabalho**
- **Maior capacidade de comunicação**
- **Acessórios compatíveis com HP6**



Melhor rádio para Locação !

Características físicas

- Menor em tamanho
- Mais leve
- Antena Lateral com novo design
- Mais Bonito
- Mais Ergonômico
- Mais Moderno

Funcionalidades

- Possibilita XPT single site
- Função Alugar
- Trabalhador Solitário
- Carregador Tipo-C
- IP67
- Supressor de ruído IA



POSICIONAMENTO

DMR PORTÁTEIS

S I S T E M A



BP5 Series
Voz



HP5 Series
XPT
Site Único



HP6 Series
XPT
Multi Sites



HP7 Series
DMR 3

F U N C I O N A L I D A D E S

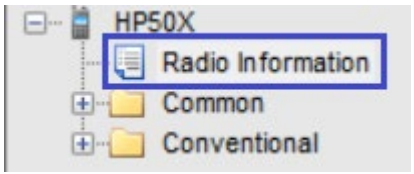


Hytera



CPS HP5 Series





Serial Number	23328A1887
Model Name	HP50X
Model Number	HP506-000G0000-N000DC-U1-0-C
Model Type	Portable
Frequency Range [MHz]	400-470
Signaling Type	HDC1200/2-Tone
Radio Data Version	D2.5.10.007
Firmware Version	V2.5.01.000
Bootloader Version(L2)	
Bootloader Version(L3)	V1.05.009
Last Programmed Date	2023.7.24

Número de série

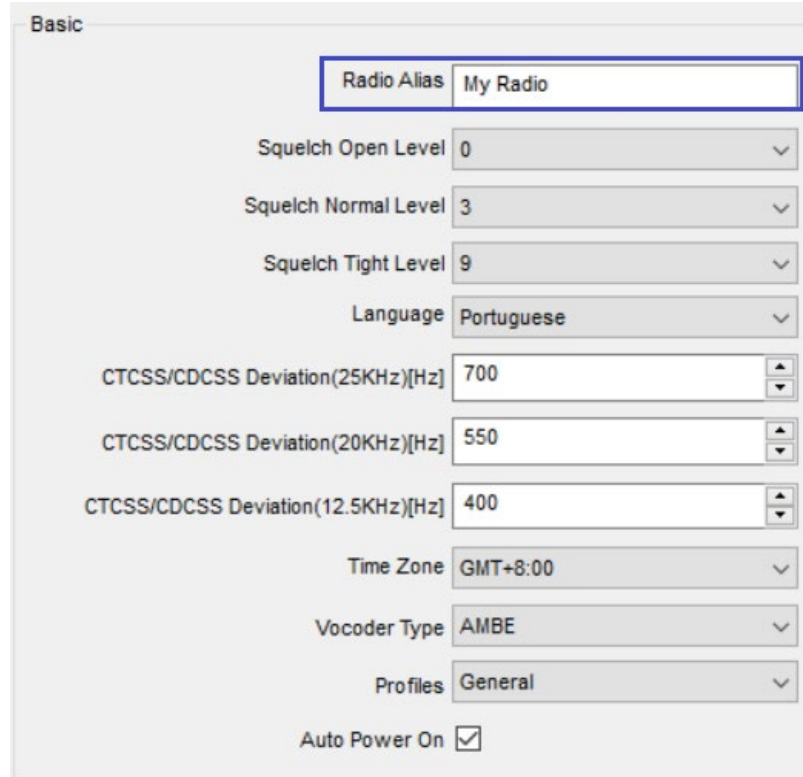
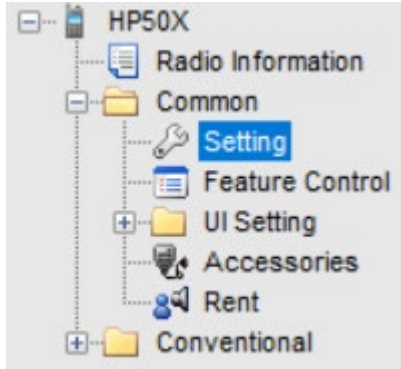
Número de modelo

Frequencia

Versão de firmware

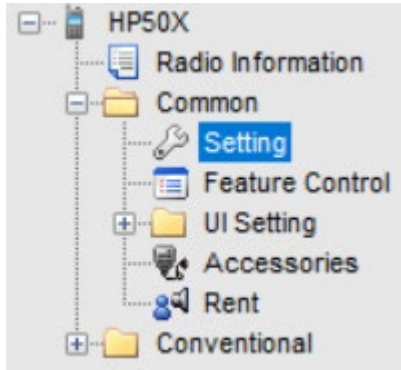
Ultima programação

Common / Setting



- **Radio Alias** - O alias do rádio pode ser visto e ajustado através do menu pelos usuários.
- O tamanho máximo é de 16 caracteres (dígitos e símbolos)

Common / Setting



Basic

Radio Alias

Squelch Open Level

Squelch Normal Level

Squelch Tight Level

Language

CTCSS/CDCSS Deviation(25KHz)[Hz]

CTCSS/CDCSS Deviation(20KHz)[Hz]

CTCSS/CDCSS Deviation(12.5KHz)[Hz]

Time Zone

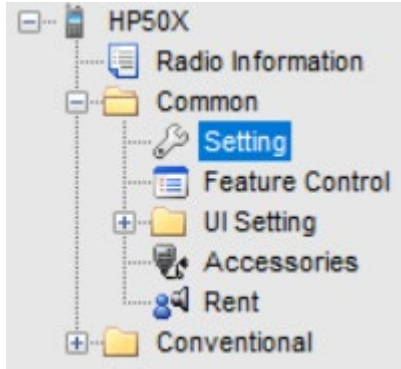
Vocoder Type

Profiles

Auto Power On

- **Squelch** - Esta opção permite aos usuários definir nível do Squelch.
- Somente em analógico

Common / Setting

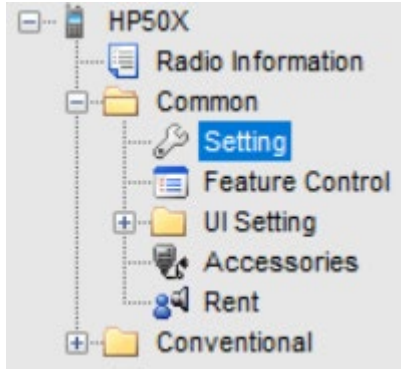


Basic

Radio Alias	My Radio
Squelch Open Level	0
Squelch Normal Level	3
Squelch Tight Level	9
Language	Portuguese
CTCSS/CDCSS Deviation(25KHz)[Hz]	700
CTCSS/CDCSS Deviation(20KHz)[Hz]	550
CTCSS/CDCSS Deviation(12.5KHz)[Hz]	400
Time Zone	GMT+8:00
Vocoder Type	AMBE
Profiles	General
Auto Power On	<input checked="" type="checkbox"/>

- Idioma – Define o idioma do radio

Common / Setting



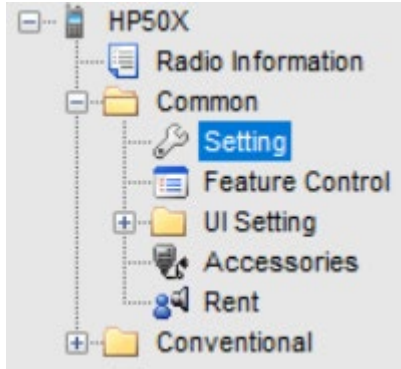
Basic

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CTCSS/CDCSS Deviation(25KHz)[Hz]	700
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CTCSS/CDCSS Deviation(12.5KHz)[Hz]	400
Time Zone	GMT+8:00
Vocoder Type	AMBE
Profiles	General
Auto Power On	<input checked="" type="checkbox"/>

Desvio de SubTom - Esta opção permite aos usuários definir o desvio CTCSS / CDCSS.

Configurações incorretas podem causar falhas na codificação

Common / Setting

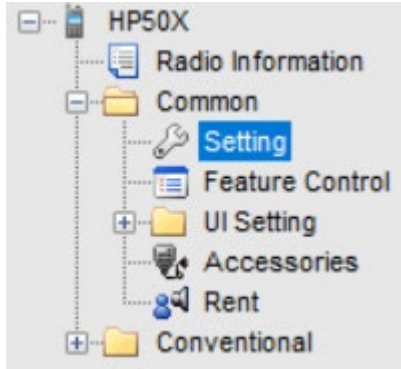


Basic

Radio Alias	My Radio
Squelch Open Level	0
Squelch Normal Level	3
Squelch Tight Level	9
Language	Portuguese
CTCSS/CDCSS Deviation(25KHz)[Hz]	700
CTCSS/CDCSS Deviation(20KHz)[Hz]	550
CTCSS/CDCSS Deviation(12.5KHz)[Hz]	400
Time Zone	GMT+8:00
Vocoder Type	AMBE
Profiles	General
Auto Power On	<input checked="" type="checkbox"/>

- Tempo da Zona (Brasil é GMT-3:00)

Common / Setting

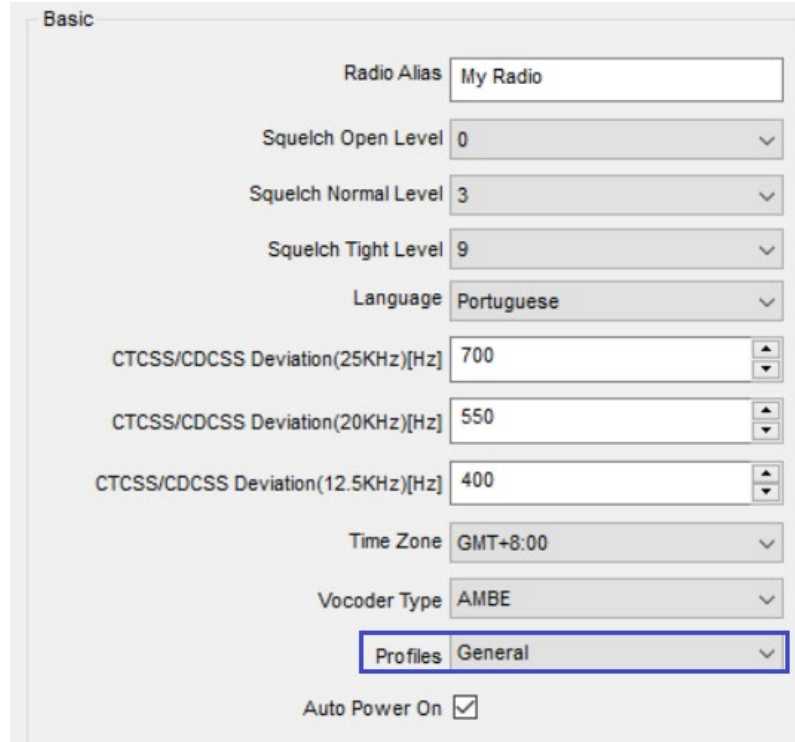
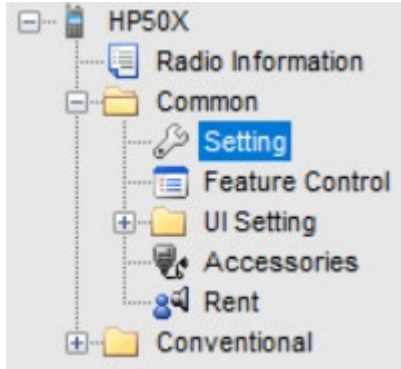


Basic

Radio Alias	My Radio
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CTCSS/CDCSS Deviation(12.5KHz)[Hz]	400
Time Zone	GMT+8:00
Vocoder Type	AMBE
Profiles	General
Auto Power On	<input checked="" type="checkbox"/>

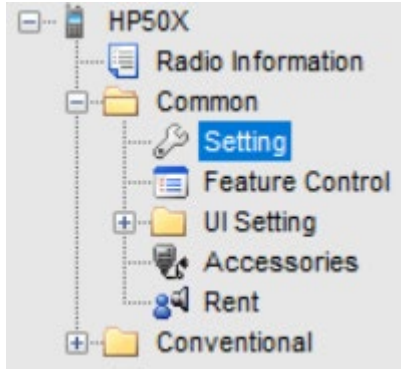
- Região da America Latina utiliza AMBE++

Common / Setting



- Perfil de áudio

Common / Setting



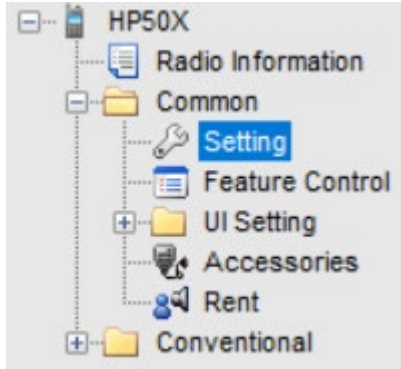
Basic

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CTCSS/CDCSS Deviation(25KHz)[Hz]	700
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CTCSS/CDCSS Deviation(12.5KHz)[Hz]	400
Time Zone	GMT+8:00
Vocoder Type	AMBE
Profiles	General

Auto Power On

Rádio vai ligar auto ao colocar a bateria

Common / Setting



Password

CPS Write Lock

Write Password

Write Password Tries

CPS Read Lock

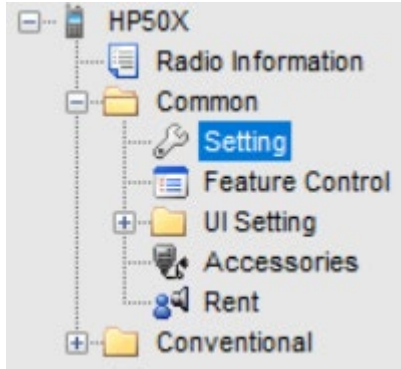
Read Password

Read Password Tries

Radio Block

- Define a senha para Gravar o Rádio.
- Senha para Gravar
- Número de Tentativas de inserir a senha antes de Bloquear ou Infinitas Tentativas

Common / Setting



Password

CPS Write Lock

Write Password

Write Password Tries

CPS Read Lock

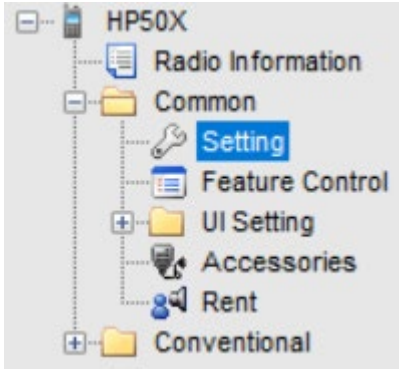
Read Password

Read Password Tries

Radio Block

- Define a senha para LER o Rádio.
- Senha para LER
- Número de Tentativas de inserir a senha antes de Bloquear ou Infinitas Tentativas

Common / Setting



Password

CPS Write Lock

Write Password

Write Password Tries

CPS Read Lock

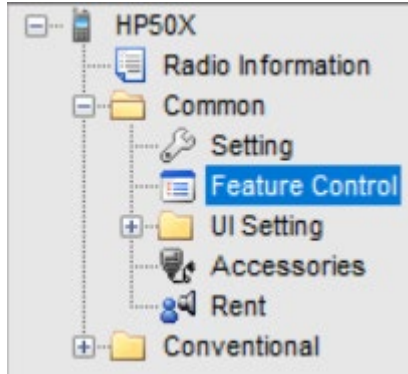
Read Password

Read Password Tries

Radio Block

- Bloquear radio após exceder as tentativas

Feature Control



Subscriber Mode Control

XPT Trunking

Conventional Analog&Digital Mode

Conventional Feature in Subscriber

Scrambler

Basic Encrypt

Roam

Priority Interrupt

Remote Monitor

Radio Disable/Enable

Vocoder Type AMBE

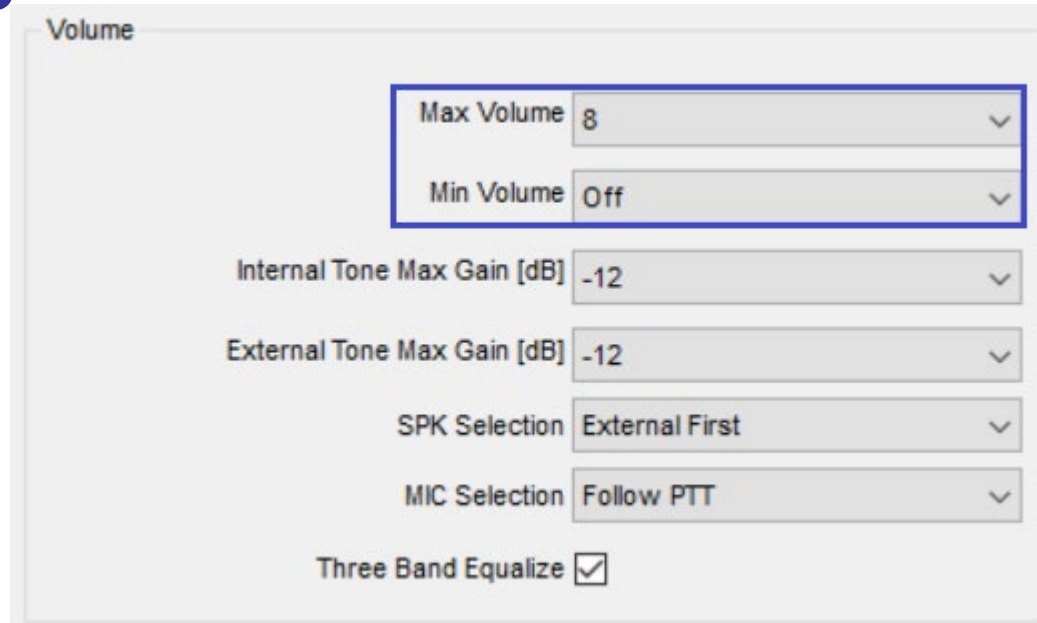
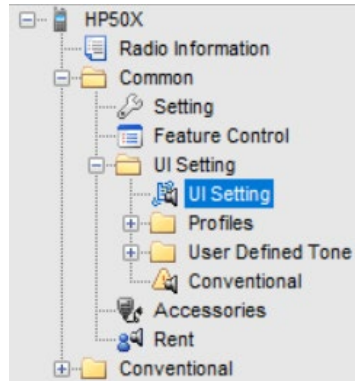
Common Feature

Only Narrow Band

Disable CPS Read

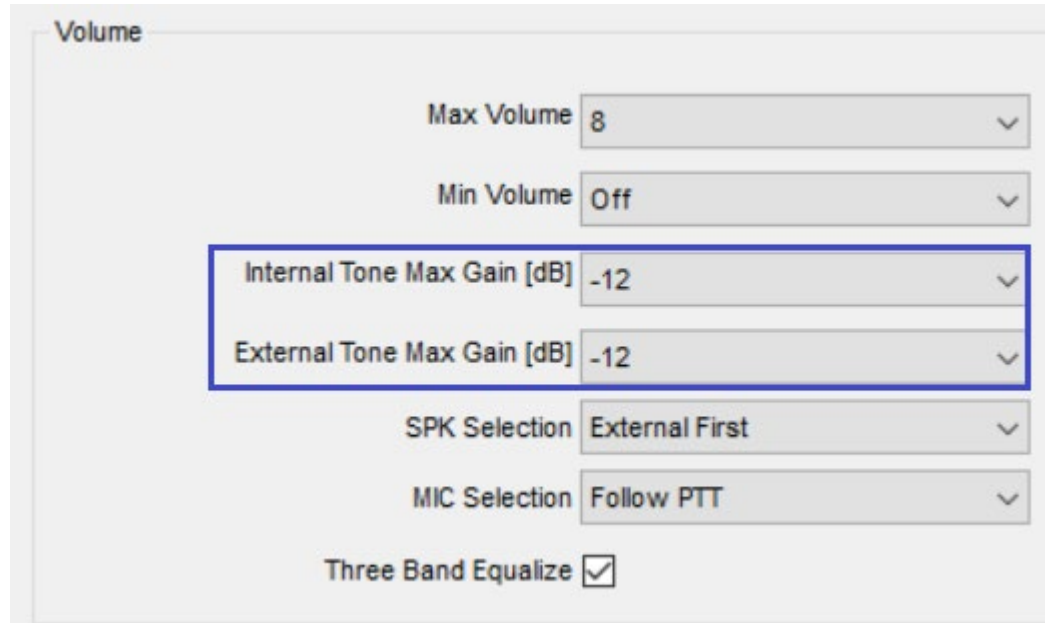
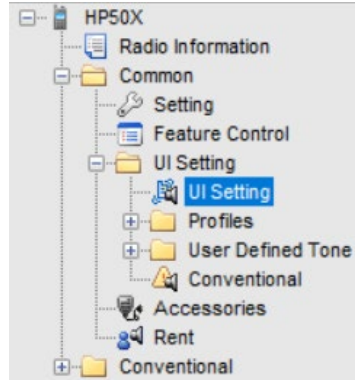
Feature Check

UI Setting



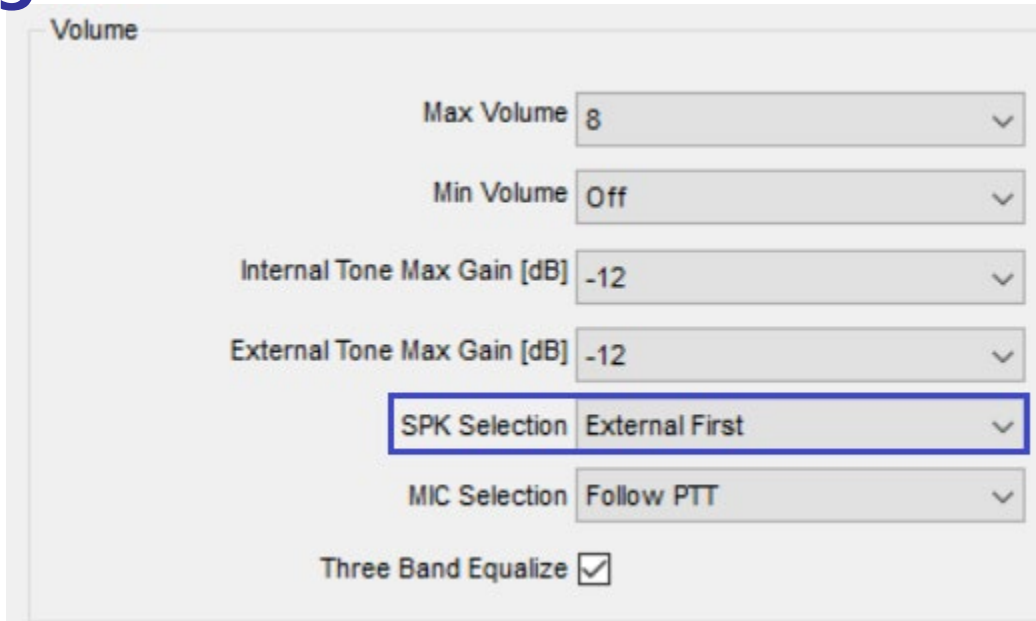
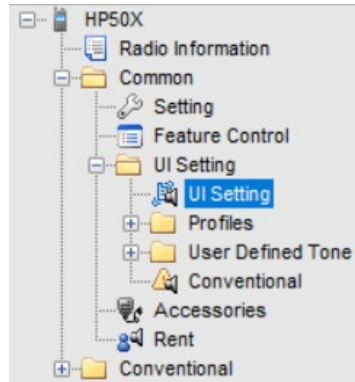
- **Volume** – Define o volume máximo e mínimo do alto falante

UI Setting



- Ganho interno ou externo do alto falante

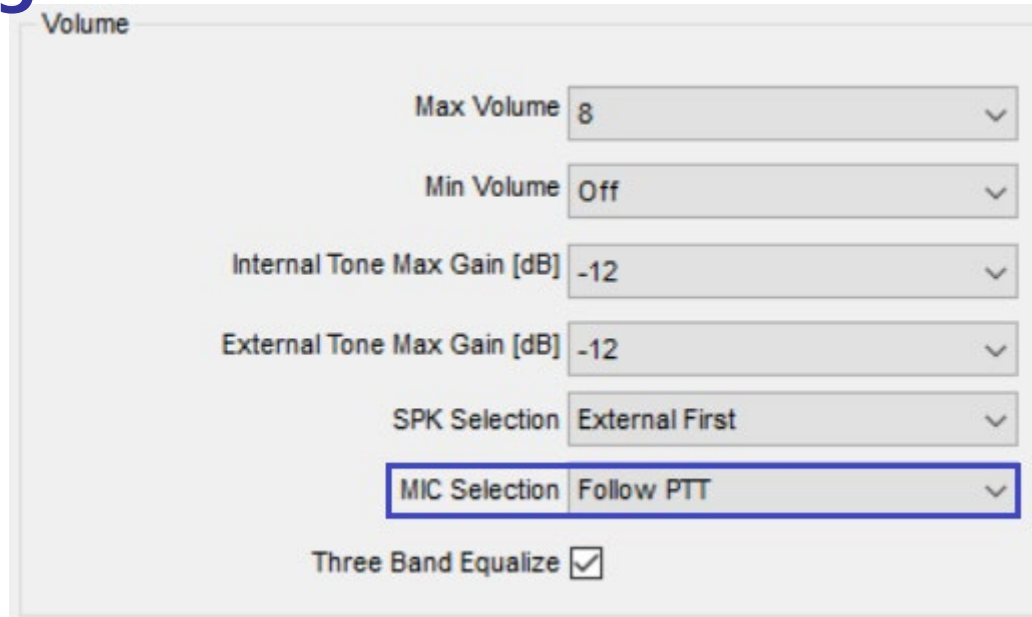
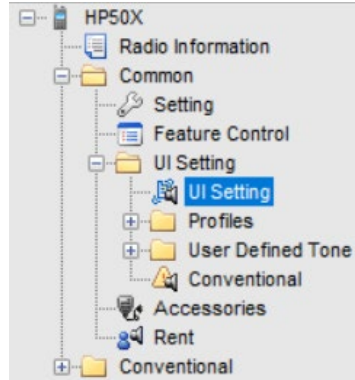
UI Setting



Definir o alto falante que o rádio vai usar.

- Interno
- Externo
- Externo Primeiro

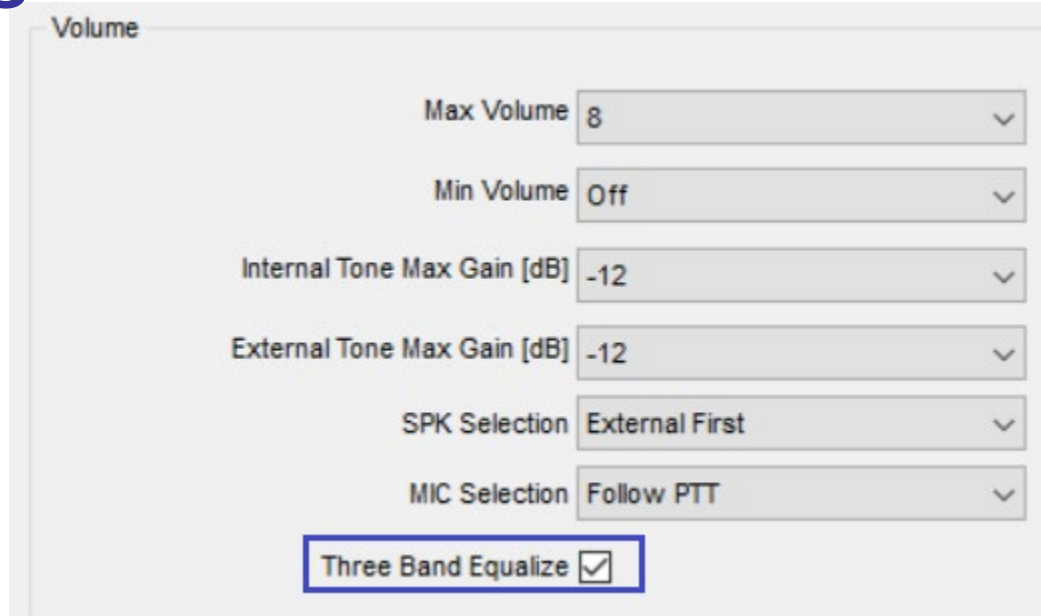
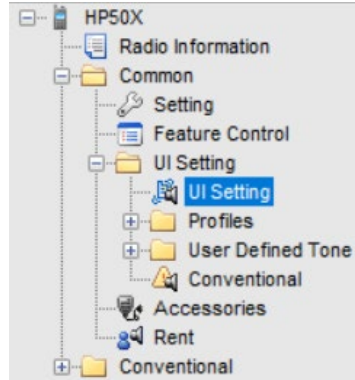
UI Setting



Defina o microfone que o rádio vai usar.

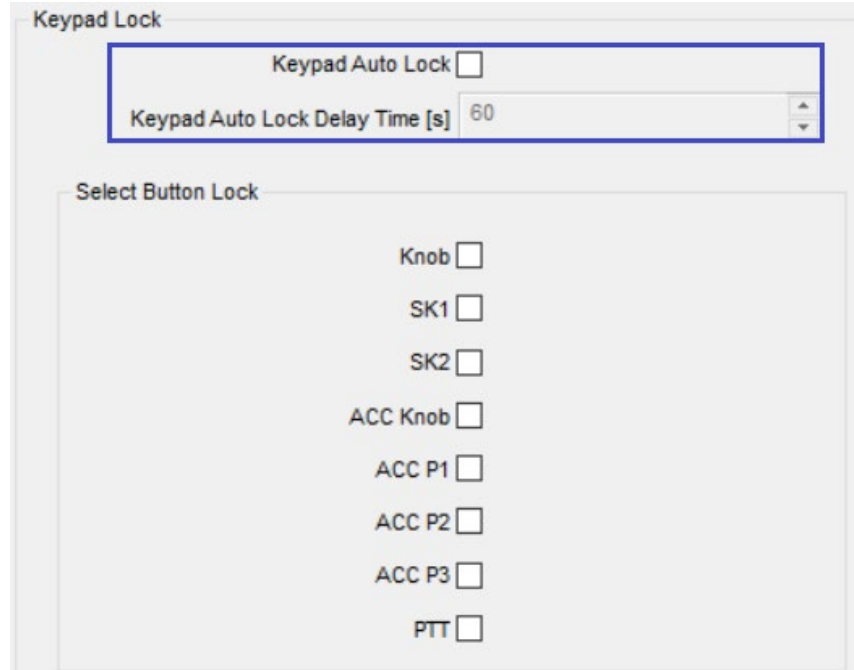
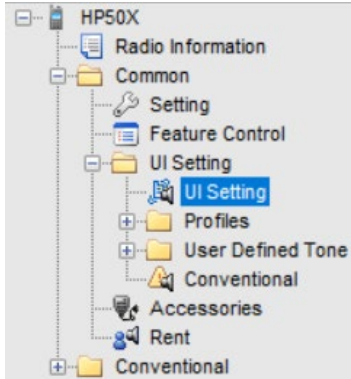
- Siga PTT: Ao transmitir pressionando PTT do rádio, o rádio vai usar o microfone interno; caso contrário, o rádio vai utilizar o microfone externo.
- Interno
- Externo
- Externo Primeiro

UI Setting



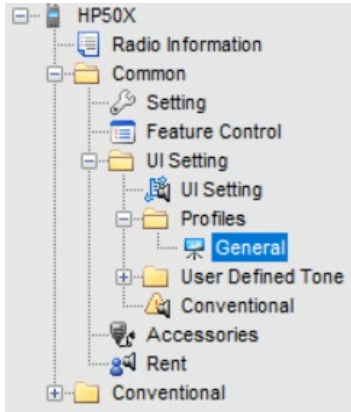
- Este recurso otimiza a qualidade da voz através do processamento do ganho do sinal de grave, médio e agudo

UI Setting



- Define se o Teclado ira bloquear automaticamente e o tempo para esse bloqueio.

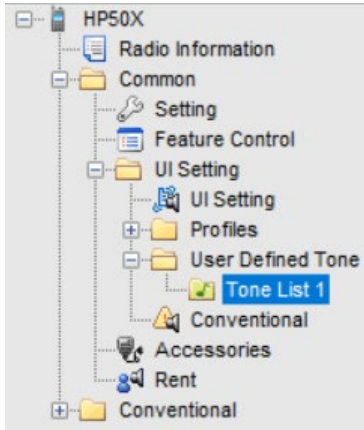
UI Setting / Profiles



Profiles Alias	General
Audio Mode	Level 1
Digital Mic AGC	<input checked="" type="checkbox"/>
Analog Mic AGC	<input checked="" type="checkbox"/>
Internal Mic Gain [dB]	20.0
External Mic Gain [dB]	20.0
AGC Dynamic Range Min Value	-14
AGC Dynamic Range Max Value	14
Noise Cancellation	<input checked="" type="checkbox"/>
Noise Cancellation Level	7
Low Frequency Gain(dB)	0.0
Mid Frequency Gain(dB)	0.0
High Frequency Gain(dB)	0.0
All Tones	Enable
Tone Volume	Default

- Define o perfil de audio
- Necessário programar um botão lateral para ativar/desativar a função

UI Setting / Tone List

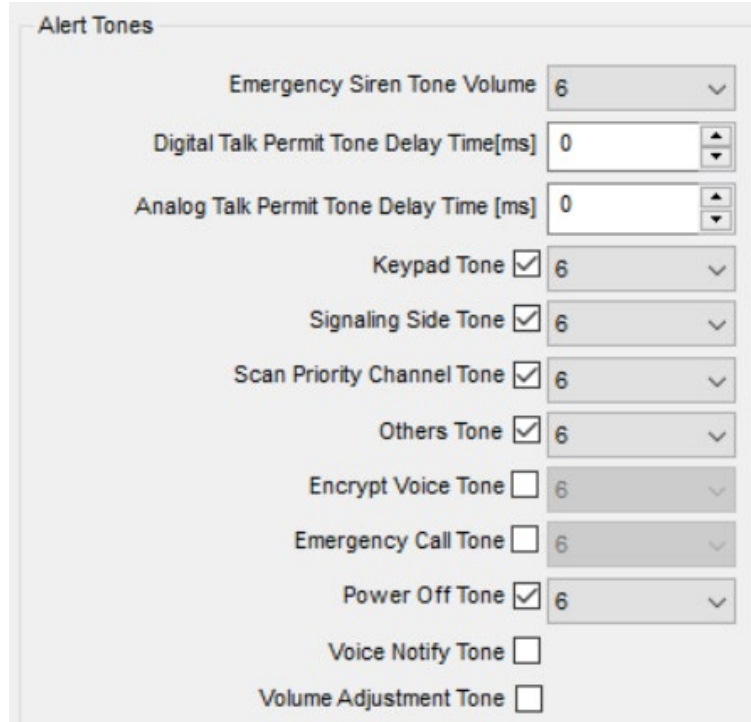
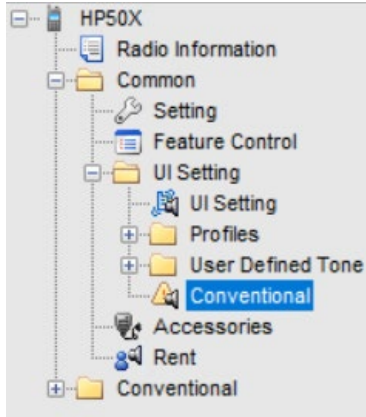


Alert Tone List Alias:

	Frequency [Hz]	Duration [ms]	Frequency	Duration [ms]
1st Tone	<input type="text" value="1000"/>	<input type="text" value="100"/>	8th Tone	<input type="text" value="500"/>
2nd Tone	<input type="text" value="500"/>	<input type="text" value="0"/>	9th Tone	<input type="text" value="500"/>
3rd Tone	<input type="text" value="500"/>	<input type="text" value="0"/>	10th Tone	<input type="text" value="500"/>
4th Tone	<input type="text" value="500"/>	<input type="text" value="0"/>	11th Tone	<input type="text" value="500"/>
5th Tone	<input type="text" value="500"/>	<input type="text" value="0"/>	12th Tone	<input type="text" value="500"/>
6th Tone	<input type="text" value="500"/>	<input type="text" value="0"/>	13th Tone	<input type="text" value="500"/>
7th Tone	<input type="text" value="500"/>	<input type="text" value="0"/>	14th Tone	<input type="text" value="500"/>

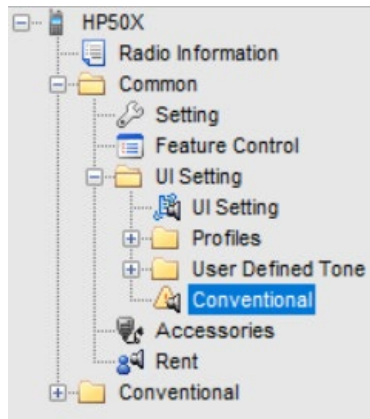
- Poderá alterar todos os tons emitidos do rádio, personalizando cada chamada

UI Setting / Conventional



- Define o volume ou desabilita o tom

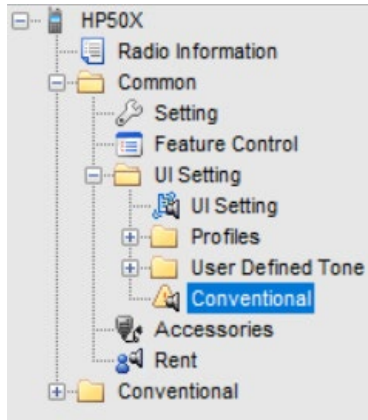
UI Setting / Conventional



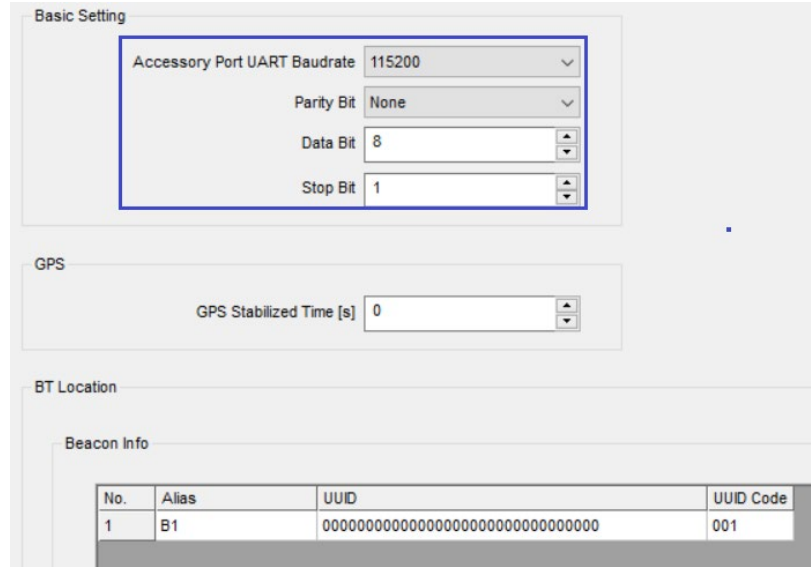
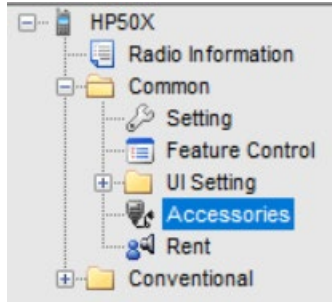
	Alert Tone List	Cycles	Interval Time [ms]
Power On Tone <input checked="" type="checkbox"/>	6 ▾ Tone List 1 ▾	1 ▾	1000 ▾
Low Battery Tone <input checked="" type="checkbox"/>	6 ▾ Default ▾	Infinite ▾	1000 ▾
Call End Tone <input checked="" type="checkbox"/>	6 ▾ Default ▾	1 ▾	1000 ▾
Private Call Tone <input checked="" type="checkbox"/>	6 ▾ Default ▾	1 ▾	1000 ▾
Group Call Tone <input checked="" type="checkbox"/>	6 ▾ Default ▾	1 ▾	1000 ▾
Voice End Tone <input checked="" type="checkbox"/>	6 ▾ Default ▾	1 ▾	1000 ▾
Alert Call Tone <input checked="" type="checkbox"/>	6 ▾ Default ▾	Infinite ▾	1000 ▾
Emergency Alarm Tone <input checked="" type="checkbox"/>	6 ▾ Default ▾	Infinite ▾	1000 ▾
Channel Busy Tone <input checked="" type="checkbox"/>	6 ▾ Default ▾	Infinite ▾	1000 ▾
Out Of Range Tone <input checked="" type="checkbox"/>	6 ▾ Default ▾	1 ▾	1000 ▾
Call Fail Tone <input checked="" type="checkbox"/>	6 ▾ Default ▾	Infinite ▾	1000 ▾
Talk Permit Tone	Enable ▾ 6 ▾ Default ▾	1 ▾	1000 ▾

- Personaliza e edita o volume do tom

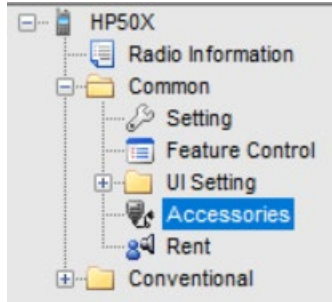
UI Setting / Conventional



- Habilita / deshabilita os LEDs



- Configurações da porta de acessórios



Basic Setting

Accessory Port UART Baudrate: 115200

Parity Bit: None

Data Bit: 8

Stop Bit: 1

GPS

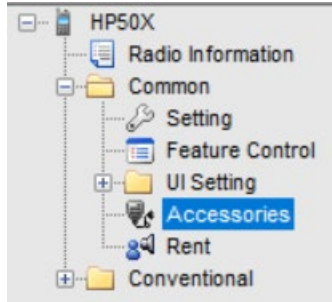
GPS Stabilized Time [s]: 0

BT Location

Beacon Info

No.	Alias	UUID	UUID Code
1	B1	00000000000000000000000000000000	001

- Aprimora a localização GPS



Basic Setting

Accessory Port UART Baudrate 115200

Parity Bit None

Data Bit 8

Stop Bit 1

GPS

GPS Stabilized Time [s] 0

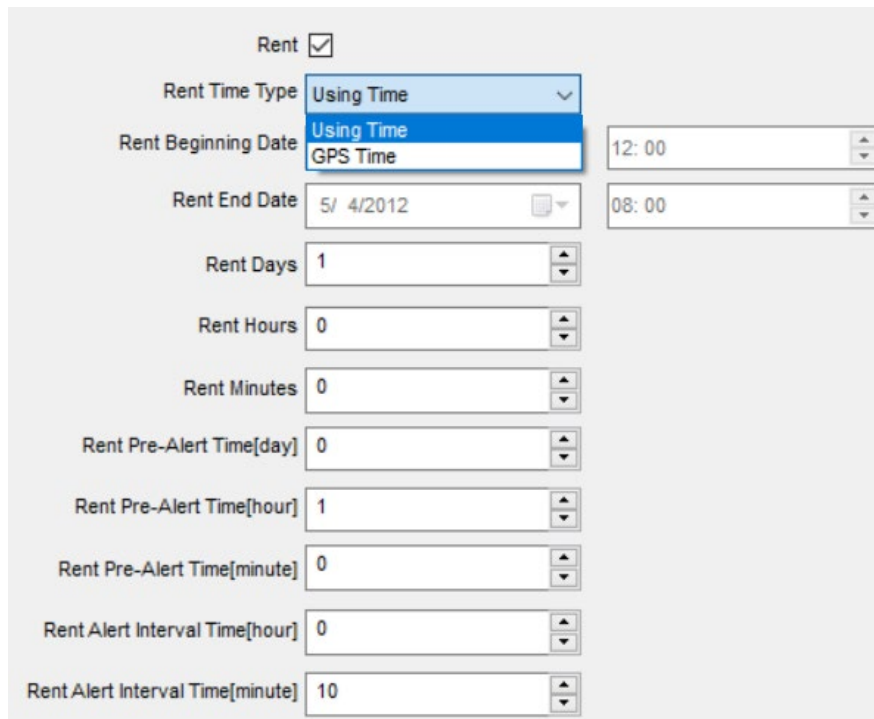
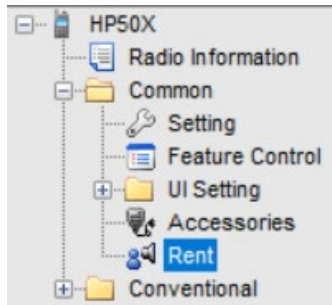
BT Location

Beacon Info

No.	Alias	UUID	UUID Code
1	B1	00000000000000000000000000000000	001

- Para aplicação utilizando BT

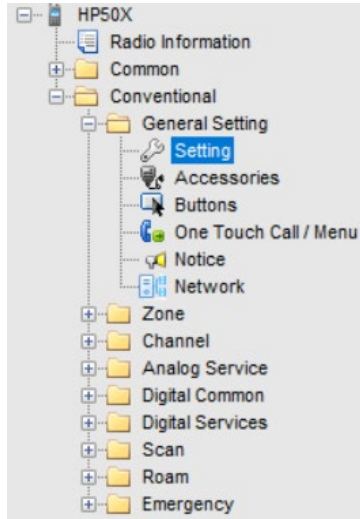
Rent



A screenshot of the 'Rent' configuration screen. At the top, the 'Rent' checkbox is checked. Below it, the 'Rent Time Type' dropdown menu is open, showing 'Using Time' and 'GPS Time' options. The 'Rent Beginning Date' is set to '12: 00' and the 'Rent End Date' is set to '08: 00'. Other settings include 'Rent Days' (1), 'Rent Hours' (0), 'Rent Minutes' (0), 'Rent Pre-Alert Time[day]' (0), 'Rent Pre-Alert Time[hour]' (1), 'Rent Pre-Alert Time[minute]' (0), 'Rent Alert Interval Time[hour]' (0), and 'Rent Alert Interval Time[minute]' (10).

- Habilita função ALUGAR, via hora do PC ou GPS

Conventional / General Setting



Battery Save

Battery Save

Battery Save Mode 1-2

Battery Save Mode Delay Time [s] 1

Power On

Power Off Channel Backup

Designated Power on Zone/Channel

Power on Zone WEBINAR HP5

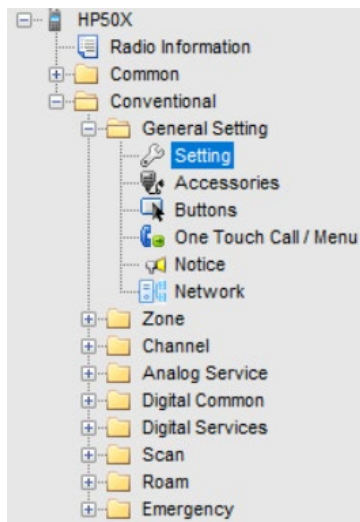
Power on Channel CH D1

Preset Channel

	Zone	Channel
Preset Channel1	WEBINAR HP5	CH D1
Preset Channel2	None	None
Preset Channel3	None	None
Preset Channel4	None	None

- **Economia de Bateria** - Esta opção permite ativar / desativar o recurso de economia de bateria

Conventional / General Setting



Battery Save

Battery Save

Battery Save Mode 1-2

Battery Save Mode Delay Time [s] 1

Power On

Power Off Channel Backup

Designated Power on Zone/Channel

Power on Zone WEBINAR HP5

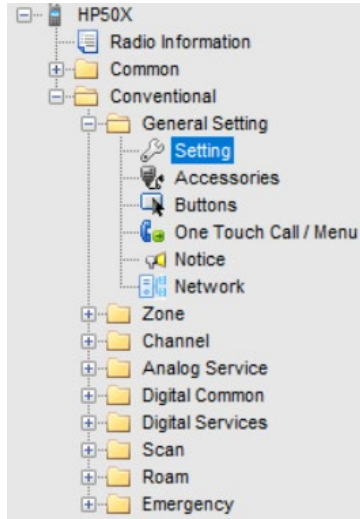
Power on Channel CH D1

Preset Channel

	Zone	Channel
Preset Channel1	WEBINAR HP5	CH D1
Preset Channel2	None	None
Preset Channel3	None	None
Preset Channel4	None	None

- **Modo de Economia de Bateria** - Defini a relação entre o tempo de operação para o tempo de suspensão no modo de economia de bateria.
- Quanto menor a taxa, maior é o efeito de economia.

Conventional / General Setting

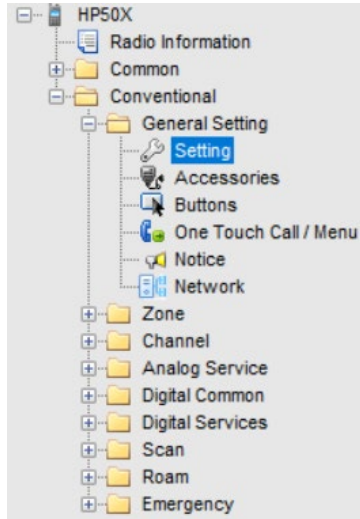


The screenshot displays the 'Battery Save' configuration screen. The 'Battery Save' checkbox is checked. The 'Battery Save Mode' is set to '1-2'. The 'Battery Save Mode Delay Time [s]' is set to '1'. Below this, the 'Power On' section has 'Power Off Channel Backup' and 'Designated Power on Zone/Channel' unchecked. 'Power on Zone' is set to 'WEBINAR HP5' and 'Power on Channel' is set to 'CH D1'. The 'Preset Channel' section contains a table with four rows for Preset Channel1 through Preset Channel4.

	Zone	Channel
Preset Channel1	WEBINAR HP5	CH D1
Preset Channel2	None	None
Preset Channel3	None	None
Preset Channel4	None	None

- **Delay Economia de Bateria** - O rádio entrará no modo de economia de bateria se nenhuma operação, a resposta do sistema ou de recepção.

Conventional / General Setting



Battery Save

Battery Save

Battery Save Mode 1-2

Battery Save Mode Delay Time [s] 1

Power On

Power Off Channel Backup

Designated Power on Zone/Channel

Power on Zone WEBINAR HP5

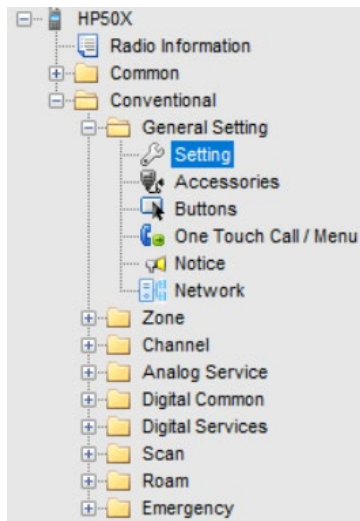
Power on Channel CH D1

Preset Channel

	Zone	Channel
Preset Channel1	WEBINAR HP5	CH D1
Preset Channel2	None	None
Preset Channel3	None	None
Preset Channel4	None	None

- Define a zona e o canal que o radio irá ligar.

Conventional / General Setting



Battery Save

Battery Save

Battery Save Mode 1-2

Battery Save Mode Delay Time [s] 1

Power On

Power Off Channel Backup

Designated Power on Zone/Channel

Power on Zone WEBINAR HPS

Power on Channel CH D1

Preset Channel

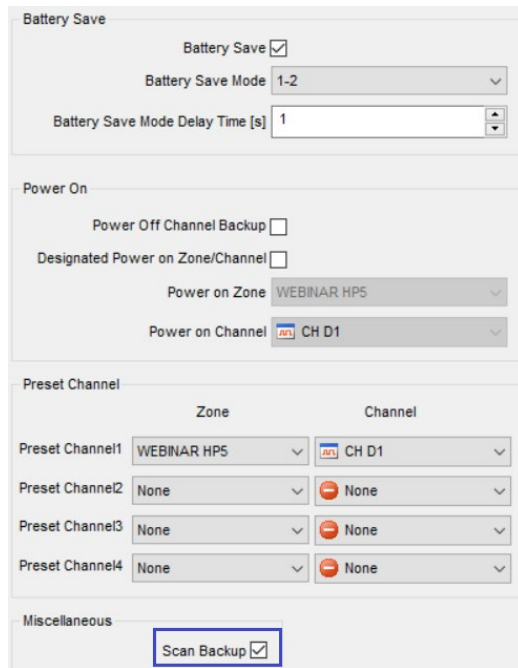
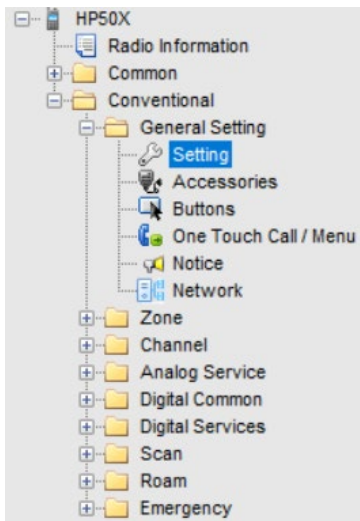
	Zone	Channel
Preset Channel1	WEBINAR HPS	CH D1
Preset Channel2	None	None
Preset Channel3	None	None
Preset Channel4	None	None

Miscellaneous

Scan Backup

- Define zona e canal favorito, necessário configurar um botão com o atalho

Conventional / General Setting



The screenshot displays the 'General Setting' configuration page for the HP50X radio. The page is divided into several sections:

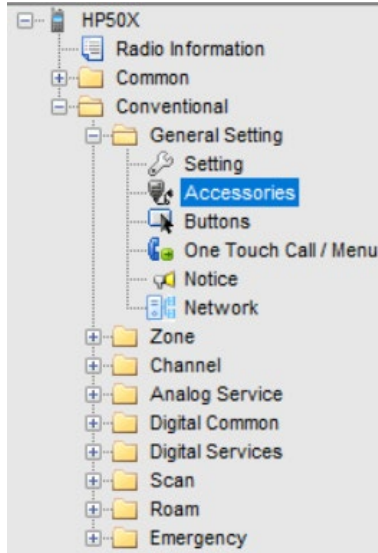
- Battery Save:** Includes a checked 'Battery Save' checkbox, a 'Battery Save Mode' dropdown set to '1-2', and a 'Battery Save Mode Delay Time [s]' dropdown set to '1'.
- Power On:** Includes a 'Power Off Channel Backup' checkbox (unchecked), a 'Designated Power on Zone/Channel' checkbox (unchecked), a 'Power on Zone' dropdown set to 'WEBINAR HPS', and a 'Power on Channel' dropdown set to 'CH D1'.
- Preset Channel:** A table with columns for 'Zone' and 'Channel'.

	Zone	Channel
Preset Channel1	WEBINAR HPS	CH D1
Preset Channel2	None	None
Preset Channel3	None	None
Preset Channel4	None	None
- Miscellaneous:** Includes a checked 'Scan Backup' checkbox.

- Quando o rádio for reiniciado, iniciará o SCAN se mudar para um canal que atenda aos requisitos.

EX: Canal favorito ou Prioridade

Conventional / Accessories



GPIO Pins

Pin#	Active Level	Feature	Debounce
Pin#11	Low	Telemetry VIO 1	<input type="checkbox"/>

Pins Preview

GPS

GPS

GPS Data Compression

GPS Update Time [s] 5

GPS Trigger

Button

Power On

Power Off

Time

Distance

Relationship Between Time and Distance None

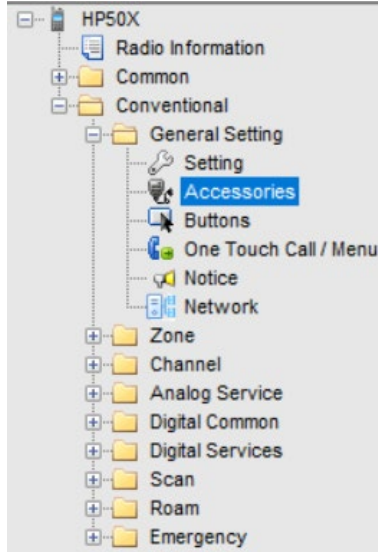
Report Interval Time [day] 0 [hour] 0 [minute] 1 [second] 0

Report Interval Distance[m] 100

The Longest Report Time[day] 0 [hour] 1 [minute] 0 [second] 0

- Ativa o conector de acessórios para conectar interface de Telemetria

Conventional / Accessories



GPIO Pins

	Active Level	Feature	Debounce
Pin#11	Low	Telemetry VID 1	<input type="checkbox"/>

Pins Preview

GPS

GPS

GPS Data Compression

GPS Update Time [s] 5

GPS Trigger

Button

Power On

Power Off

Time

Distance

Relationship Between Time and Distance None

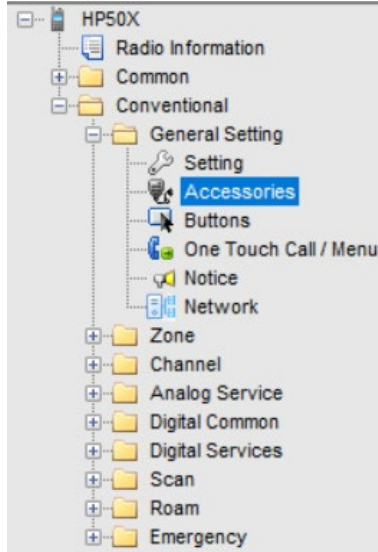
Report Interval Time [day] 0 [hour] 0 [minute] 1 [second] 0

Report Interval Distance[m] 100

The Longest Report Time[day] 0 [hour] 1 [minute] 0 [second] 0

- Habilita o GPS
- Aprimora o sinal GPS
- Atualização do Satélite para o rádio

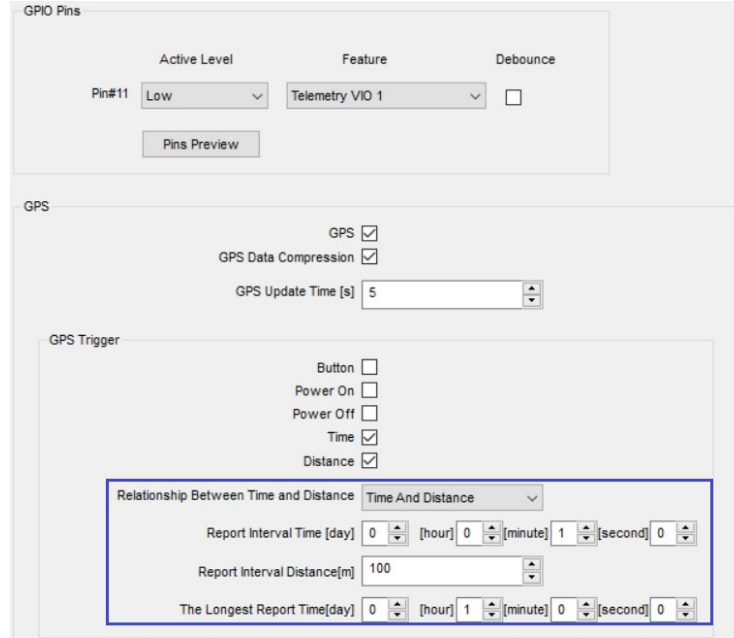
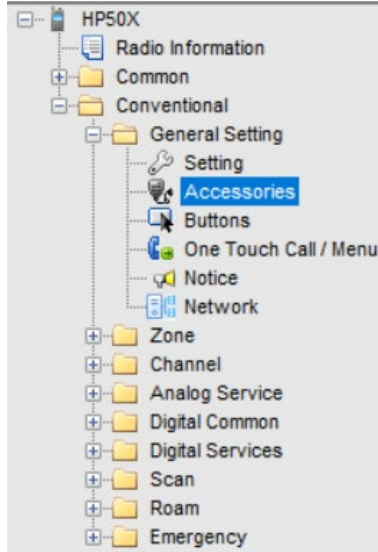
Conventional / Accessories



A screenshot of the GPS configuration settings in the HP50X software. The 'GPIO Pins' section shows 'Active Level' set to 'Low', 'Feature' set to 'Telemetry VID 1', and 'Debounce' set to 'None'. The 'GPS' section has 'GPS' and 'GPS Data Compression' checked, and 'GPS Update Time [s]' set to 5. The 'GPS Trigger' section has a blue box around the 'Button' checkbox, which is currently unchecked. Other options like 'Power On', 'Power Off', 'Time', and 'Distance' are also unchecked. The 'Relationship Between Time and Distance' is set to 'None'. The 'Report Interval Time [day]' is 0, '[hour]' is 0, '[minute]' is 1, and '[second]' is 0. The 'Report Interval Distance [m]' is 100. The 'The Longest Report Time [day]' is 0, '[hour]' is 1, '[minute]' is 0, and '[second]' is 0.

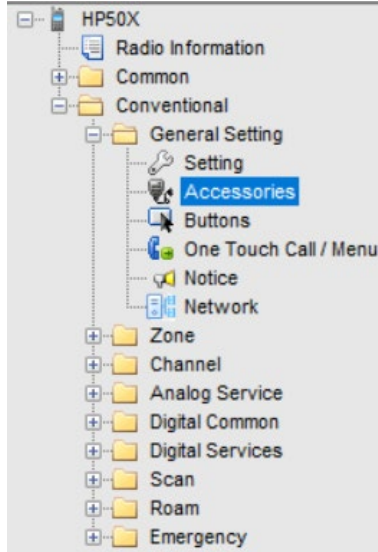
- Gatilhos para atualização do GPS

Conventional / Accessories



- Regra de distancia ou/e tempo
- Tempo de atualização GPS
- Intervalo de distancia
- Definir tempo de atualização após...

Conventional / Accessories



Quick GPS

Quick GPS

Time Synchronization Mode: 1PPS Pulse

Report Start Time: 0000-00-00 00:00:00

Report Stop Time: 0000-00-00 00:00:00

Report Interval Time[s]: 60

Report Step[ms]: 480

Report Order: 1 (Max value is 112)

Percentage of Channel Loading: 90%

Single GPS

Location Application

RSSI Report

Voice with Location

Voice with Location

PTT

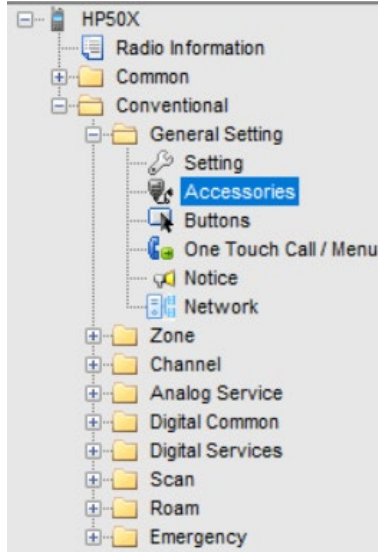
Time [s]: 60

Talker Location Display

Display Type: sixteen azimuth and distance

- Habilita o GPS aprimorado

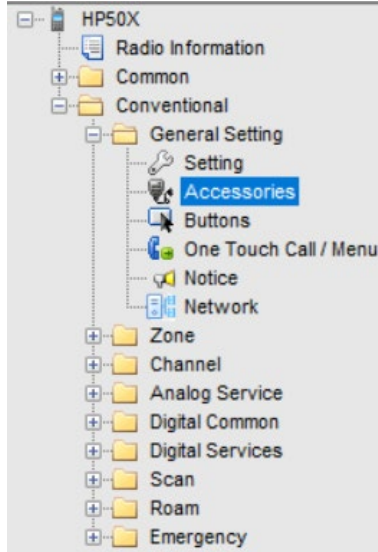
Conventional / Accessories



The image shows the 'Quick GPS' configuration screen. The 'Quick GPS' checkbox is checked. The 'Time Synchronization Mode' is set to '1PPS Pulse'. The 'Report Start Time' and 'Report Stop Time' are both set to '0000-00-00 00:00:00'. The 'Report Interval Time[s]' is set to '60'. The 'Report Step[ms]' is set to '480'. The 'Report Order' is set to '1' with a note 'Max value is 112'. The 'Percentage of Channel Loading' is set to '90%'. The 'Single GPS' checkbox is unchecked. Below this, the 'Location Application' section has the 'RSSI Report' checkbox unchecked. The 'Voice with Location' section has 'Voice with Location' and 'PTT' checkboxes unchecked, 'Time [s]' set to '60', 'Talker Location Display' checked, and 'Display Type' set to 'sixteen azimuth and distance'.

- Este parâmetro permite que você configure quando os rádios Começam e Terminam de transmitir dados GPS quando o Quick GPS é habilitado.

Conventional / Accessories



Quick GPS

Quick GPS

Time Synchronization Mode: 1PPS Pulse

Report Start Time: 0000-00-00 00:00:00

Report Stop Time: 0000-00-00 00:00:00

Report Interval Time[s]: 60

Report Step[ms]: 480

Report Order: 1 (Max value is 112)

Percentage of Channel Loading: 90%

Single GPS

Location Application

RSSI Report

Voice with Location

Voice with Location

PTT

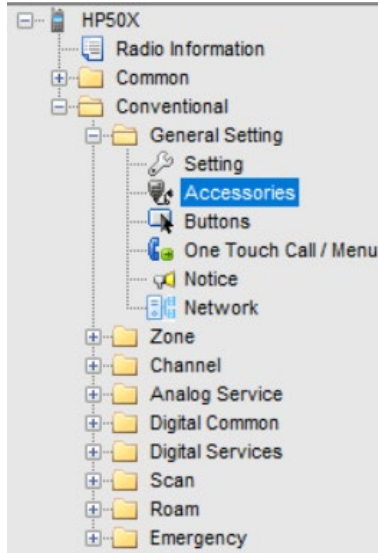
Time [s]: 60

Talker Location Display

Display Type: sixteen azimuth and distance

- Tempo de atualização do GPS

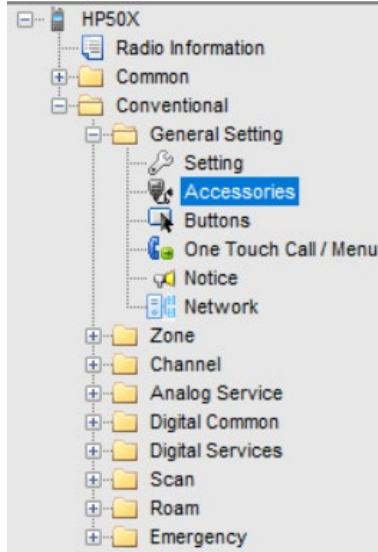
Conventional / Accessories



A screenshot of the 'Quick GPS' configuration screen. The 'Quick GPS' checkbox is checked. The 'Time Synchronization Mode' is set to '1PPS Pulse'. The 'Report Start Time' and 'Report Stop Time' are both set to '0000-00-00 00:00:00'. The 'Report Interval Time[s]' is set to '60'. The 'Report Step[ms]' is set to '480'. The 'Report Order' is set to '1' with a note 'Max value is 112'. The 'Percentage of Channel Loading' is set to '90%'. The 'Single GPS' checkbox is unchecked. Below this, the 'Location Application' section has the 'RSSI Report' checkbox unchecked. The 'Voice with Location' section has the 'Voice with Location' checkbox unchecked, 'PTT' checkbox unchecked, 'Time [s]' set to '60', 'Talker Location Display' checkbox checked, and 'Display Type' set to 'sixteen azimuth and distance'.

- Permite configurar o tempo que o rádio transmite dados de GPS para a estação de controle quando o Quick GPS é habilitado.

Conventional / Accessories



Quick GPS

Quick GPS

Time Synchronization Mode 1PPS Pulse

Report Start Time 0000-00-00 00:00:00

Report Stop Time 0000-00-00 00:00:00

Report Interval Time[s] 60

Report Step[ms] 480

Report Order 1 Max value is 112

Percentage of Channel Loading 90%

Single GPS

Location Application

RSSI Report

Voice with Location

Voice with Location

PIT

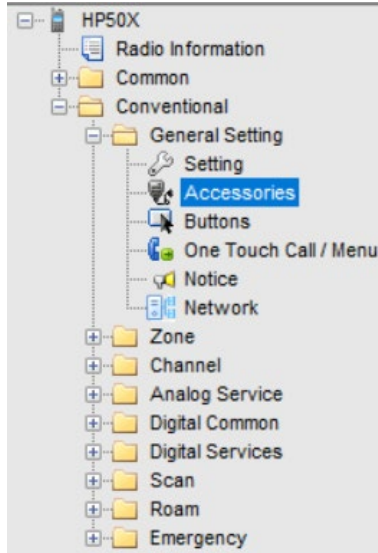
Time [s] 60

Talker Location Display

Display Type sixteen azimuth and distance

- Define uma fila para as atualizações GPS

Conventional / Accessories



Quick GPS configuration screen:

- Quick GPS
- Time Synchronization Mode: 1PPS Pulse
- Report Start Time: 0000-00-00 00:00:00
- Report Stop Time: 0000-00-00 00:00:00
- Report Interval Time[s]: 60
- Report Step[ms]: 480
- Report Order: 1 (Max value is 112)
- Percentage of Channel Loading: 90%**
- Single GPS

Location Application

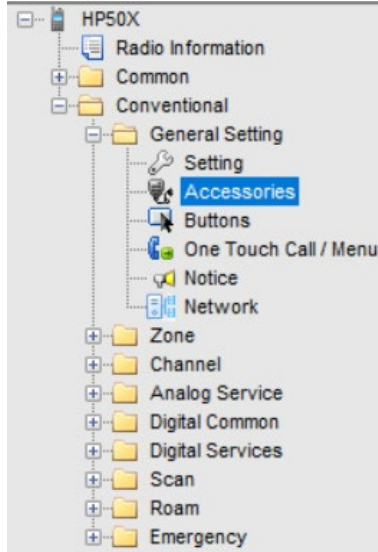
- RSSI Report

Voice with Location

- Voice with Location
- PTT
- Time [s]: 60
- Talker Location Display
- Display Type: sixteen azimuth and distance

- Este parâmetro permite configurar o percentual de tempo será utilizado durante um Report Interval Time

Conventional / Accessories



Quick GPS

Quick GPS

Time Synchronization Mode 1PPS Pulse

Report Start Time 0000-00-00 00:00:00

Report Stop Time 0000-00-00 00:00:00

Report Interval Time[s] 60

Report Step[ms] 120

Report Order 1 Max value is 450

Percentage of Channel Loading 90%

Single GPS

Location Application

RSSI Report

Voice with Location

Voice with Location

PTT

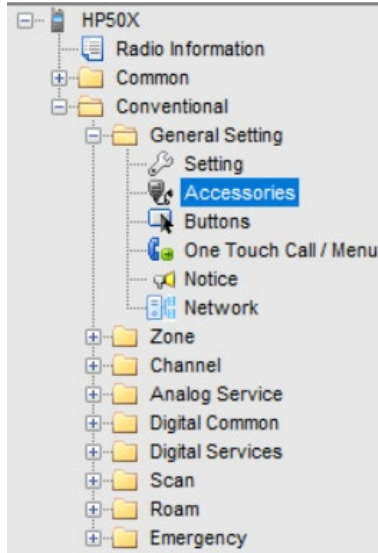
Time [s] 60

Talker Location Display

Display Type sixteen azimuth and distance

- O Rádio somente enviará a Latitude e a Longitude, diminuindo o tamanho do pacote de GPS, quadruplicando a capacidade.

Conventional / Accessories



Quick GPS

Quick GPS

Time Synchronization Mode 1PPS Pulse

Report Start Time 0000-00-00 00:00:00

Report Stop Time 0000-00-00 00:00:00

Report Interval Time[s] 60

Report Step[ms] 120

Report Order 1 Max value is 450

Percentage of Channel Loading 90%

Single GPS

Location Application

RSSI Report

Voice with Location

Voice with Location

PTT

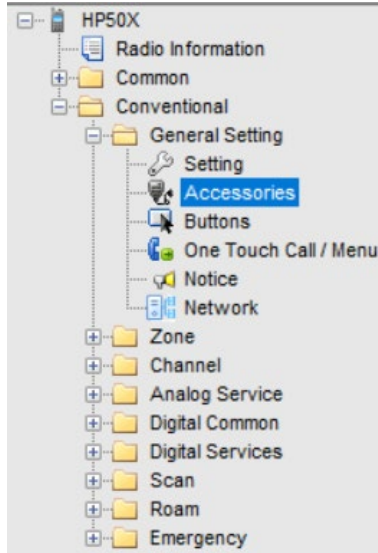
Time [s] 60

Talker Location Display

Display Type sixteen azimuth and distance

- O rádio relata dados RSSI downstream junto com dados GPS por meio do canal de dados GPS dedicado.

Conventional / Accessories



Quick GPS

Quick GPS

Time Synchronization Mode 1PPS Pulse

Report Start Time 0000-00-00 00:00:00

Report Stop Time 0000-00-00 00:00:00

Report Interval Time[s] 60

Report Step[ms] 480

Report Order 1 Max value is 112

Percentage of Channel Loading 90%

Single GPS

Location Application

RSSI Report

Voice with Location

Voice with Location

PTT

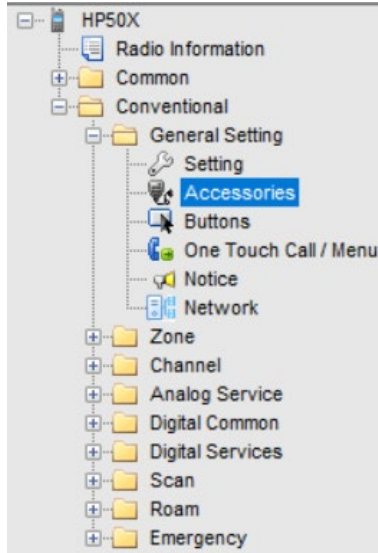
Time [s] 60

Talker Location Display

Display Type sixteen azimuth and distance

- Com esse recurso ativado, a Voz com localização é acionado de uma das seguintes maneiras: PTT ou Tempo

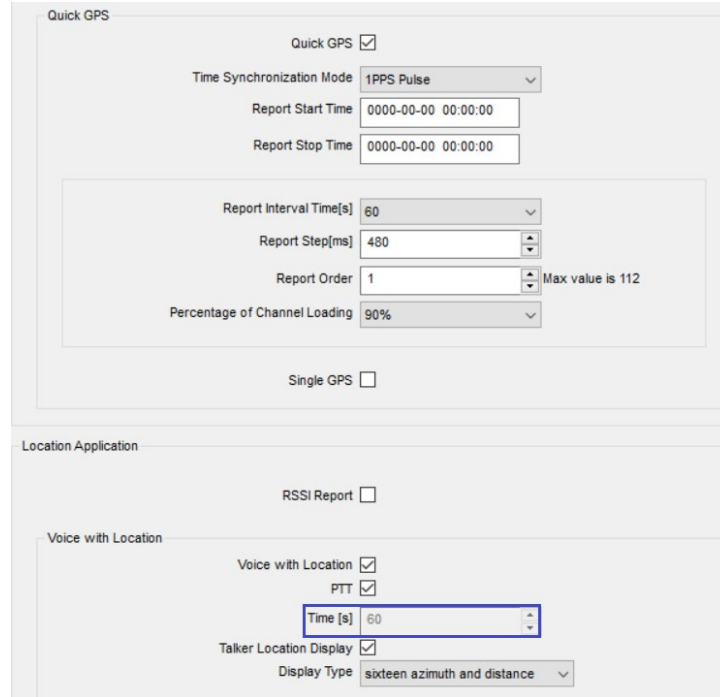
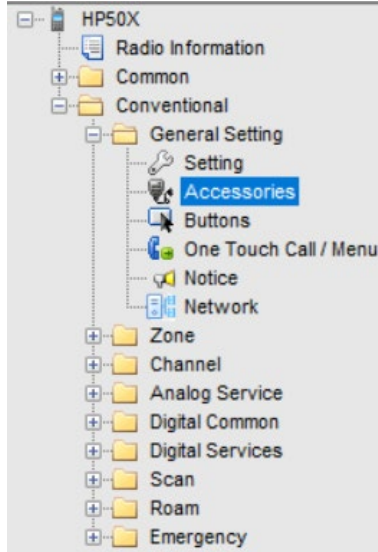
Conventional / Accessories



The image shows two configuration screens. The top screen is titled 'Quick GPS' and contains the following settings: 'Quick GPS' (checked), 'Time Synchronization Mode' (1PPS Pulse), 'Report Start Time' (0000-00-00 00:00:00), 'Report Stop Time' (0000-00-00 00:00:00), 'Report Interval Time[s]' (60), 'Report Step[ms]' (480), 'Report Order' (1, with a note 'Max value is 112'), and 'Percentage of Channel Loading' (90%). The 'Single GPS' checkbox is unchecked. The bottom screen is titled 'Location Application' and contains: 'RSSI Report' (unchecked), 'Voice with Location' (checked), 'PTT' (checked), 'Time [s]' (60), 'Talker Location Display' (checked), and 'Display Type' (sixteen azimuth and distance).

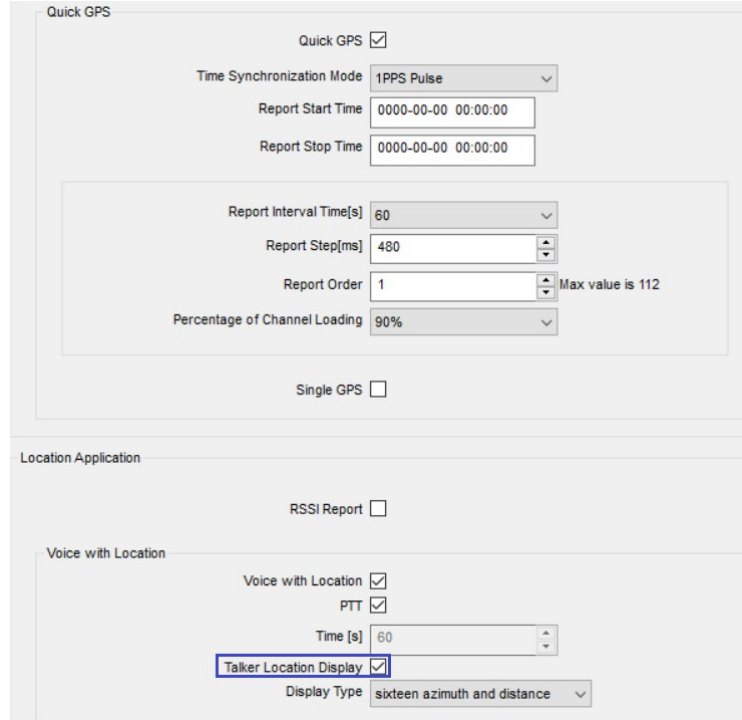
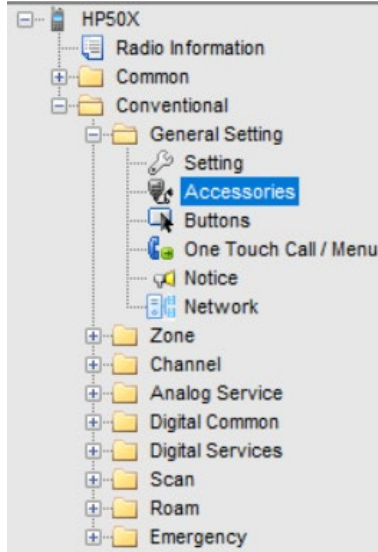
- O rádio envia dados de GPS para à estação de controle imediatamente após o usuário pressionar o PTT para falar.

Conventional / Accessories



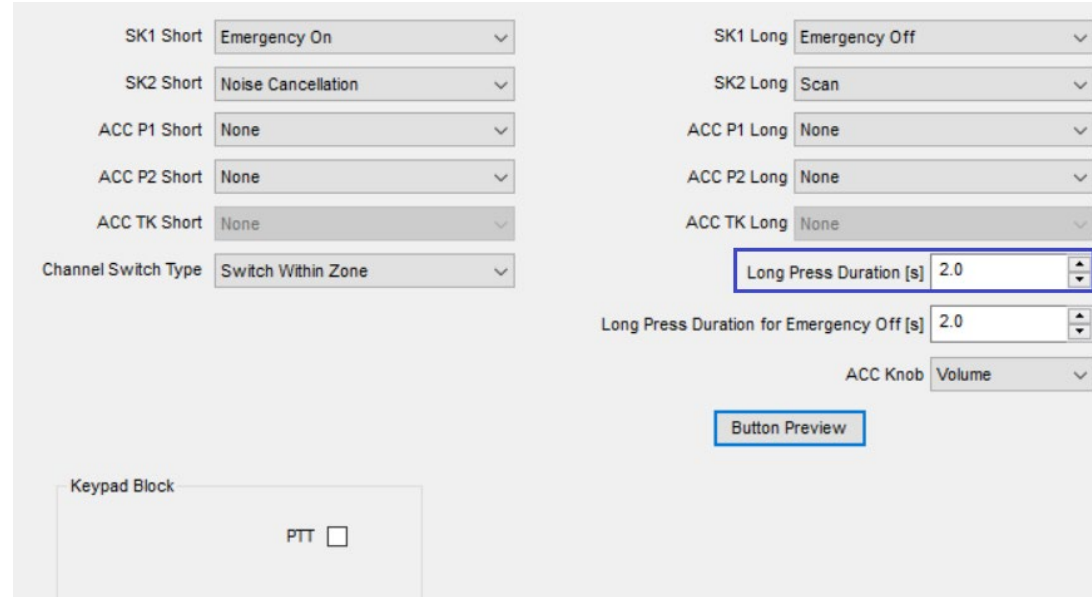
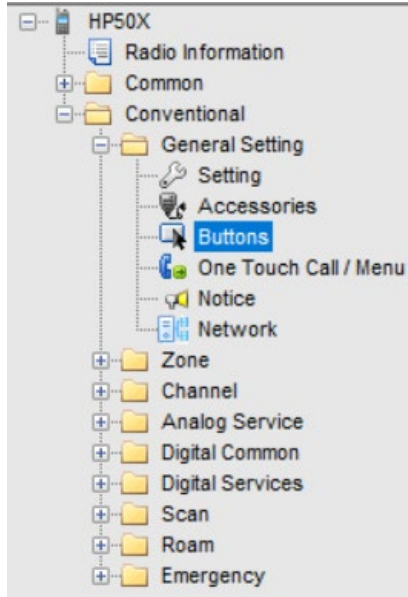
- O rádio envia dados de GPS, até que o usuário solte a Tecla do PTT

Conventional / Accessories



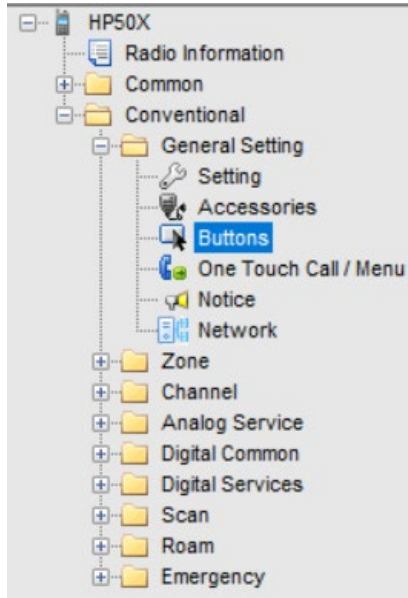
- O rádio exibe a localização de quem está chamando após estabelecer chamada.
- Antes de usar este recurso, o recurso Voz com localização deve ser ativado para o rádio transmissor.

Conventional / Buttons



- Tempo do pressionamento longo

Conventional / Buttons



SK1 Short	Emergency On	SK1 Long	Emergency Off
SK2 Short	Noise Cancellation	SK2 Long	Scan
ACC P1 Short	None	ACC P1 Long	None
ACC P2 Short	None	ACC P2 Long	None
ACC TK Short	None	ACC TK Long	None
Channel Switch Type	Switch Within Zone	Long Press Duration [s]	2.0
		Long Press Duration for Emergency Off [s]	2.0
		ACC Knob	Volume

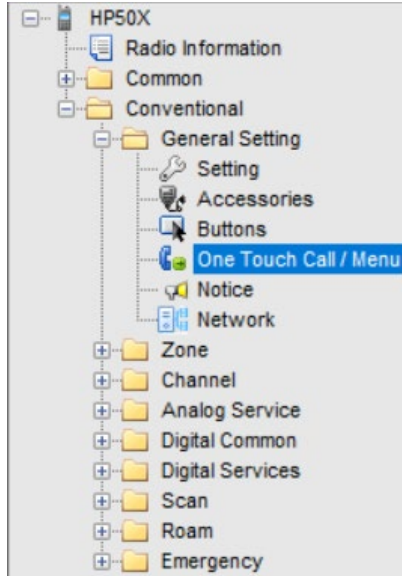
Keypad Block

PTT

Button Preview

- Tempo do pressionamento longo para Desabilitar a Emergencia

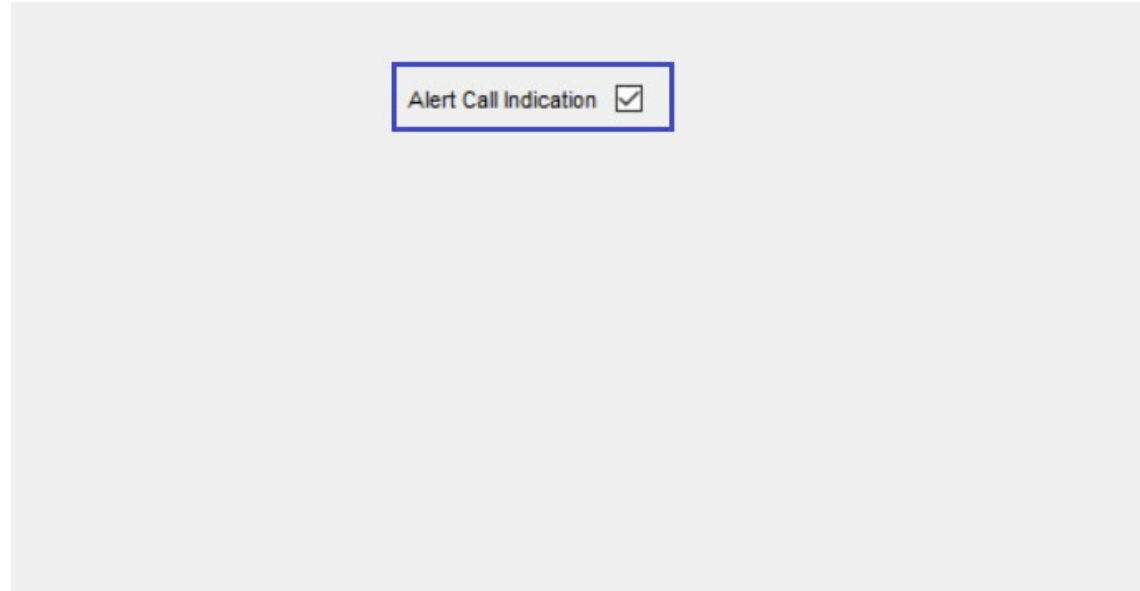
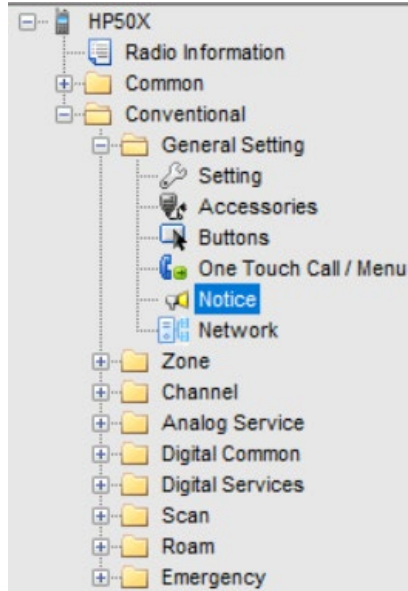
Conventional / One Touch Call



No.	Call Mode	Call List	Call Type	Quick Text
One Touch Call 1	Digital	(C) Call 1	Group Call	None
One Touch Call 2	Digital	None	None	None
One Touch Call 3	Digital	None	None	None
One Touch Call 4	Digital	None	None	None
One Touch Call 5	Digital	None	None	None

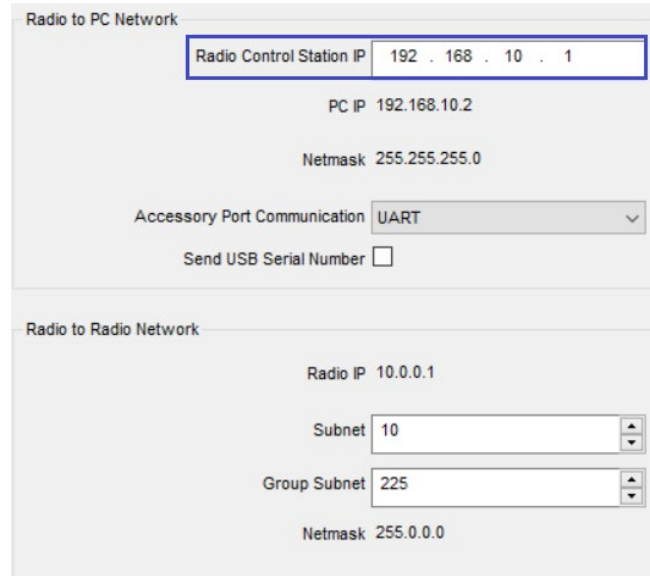
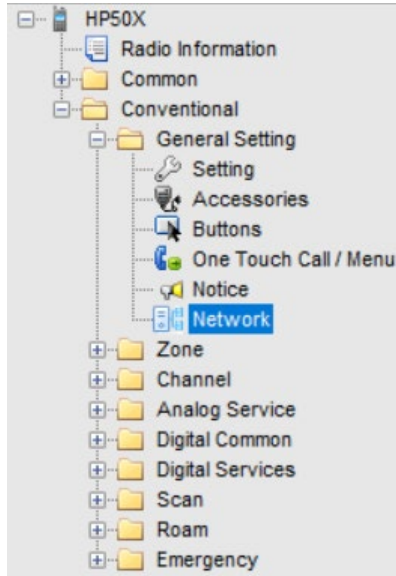
- Chamada com um toque
- Obs:** Precisa programar um botão lateral

Conventional / Notice



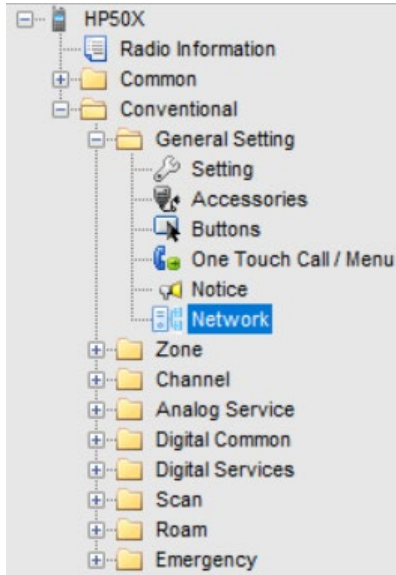
- Com este recurso habilitado, o alerta de chamada é exibido na tela inicial do rádio.
- O usuário pode visualizar este aviso ao entrar no menu Chamada de Alerta.

Conventional / Network



■ IP do radio

Conventional / Network



Radio to PC Network

Radio Control Station IP 192 . 168 . 10 . 1

PC IP 192.168.10.2

Netmask 255.255.255.0

Accessory Port Communication UART

Send USB Serial Number

Radio to Radio Network

Radio IP 10.0.0.1

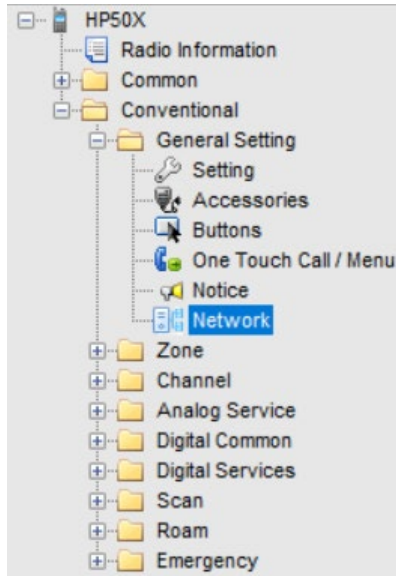
Subnet 10

Group Subnet 225

Netmask 255.0.0.0

- Porta de comunicação
- Enviar número de série

Conventional / Network



Radio to PC Network

Radio Control Station IP 192 . 168 . 10 . 1

PC IP 192.168.10.2

Netmask 255.255.255.0

Accessory Port Communication UART

Send USB Serial Number

Radio to Radio Network

Radio IP 10.0.0.1

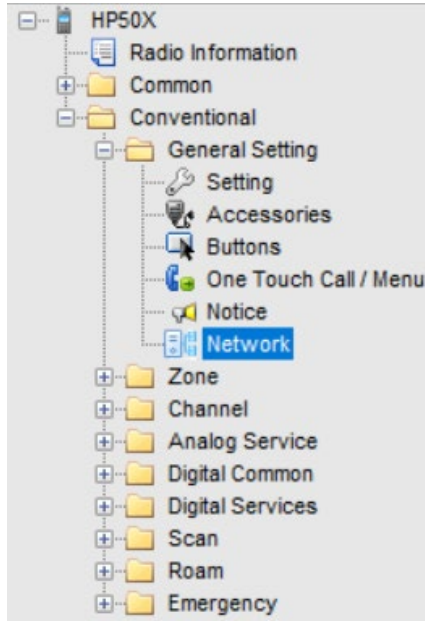
Subnet 10

Group Subnet 225

Netmask 255.0.0.0

- Rede do radio

Conventional / Network



The image shows the 'Radio Services' configuration screen. The 'Control Center ID' is set to 1. The 'Control Center IP' is 10.0.0.1. The following ports are configured:

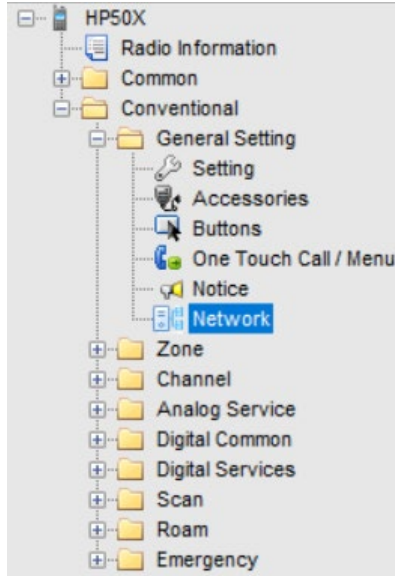
Port Name	Value
RRS Port	3006
Location Port	3003
TMS Port	5016
RCP Port	3005
Telemetry Port	3006
Data Transfer Port	3007
Self-Defined Message Port	3009
Beacon Interval[s]	60

Below the 'Radio Services' section, the 'RRS Service' section is visible with the following settings:

Service Name	Value
RRS Registration Delay Time[s]	30
RRS Registration Retry Times	60
RRS Registration Retry Interval[s]	30

- Quando o rádio envia RRS e GPS, seu ID deve ser o mesmo da estação de controle

Conventional / Network



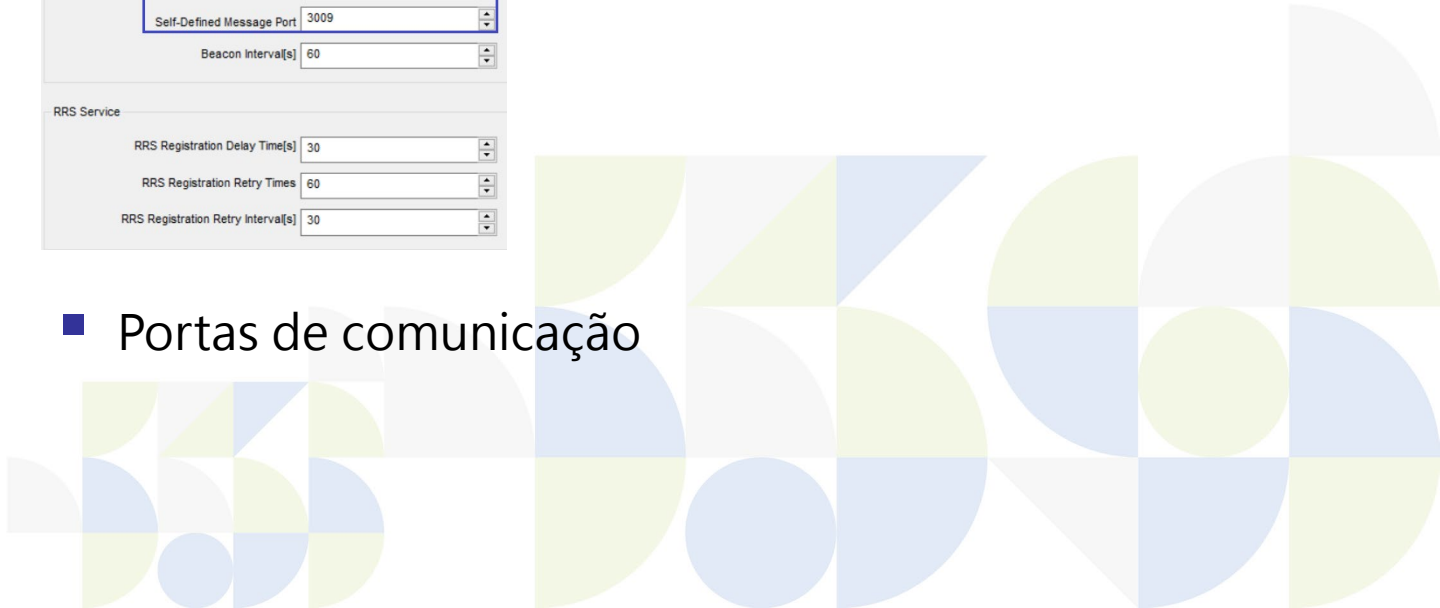
Radio Services configuration page:

- Control Center ID: 1
- Control Center IP: 10.0.0.1
- RRS Port: 3006
- Location Port: 3003
- TMS Port: 5016
- RCP Port: 3005
- Telemetry Port: 3006
- Data Transfer Port: 3007
- Self-Defined Message Port: 3009
- Beacon Interval[s]: 60

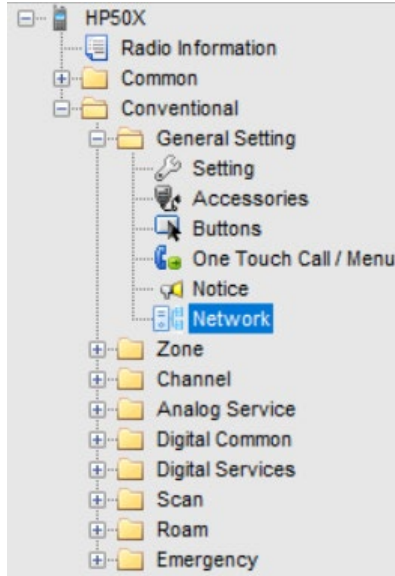
RRS Service configuration page:

- RRS Registration Delay Time[s]: 30
- RRS Registration Retry Times: 60
- RRS Registration Retry Interval[s]: 30

- Portas de comunicação



Conventional / Network



Radio Services

Control Center ID: 1

Control Center IP: 10.0.0.1

RRS Port: 3006

Location Port: 3003

TMS Port: 5016

RCP Port: 3005

Telemetry Port: 3006

Data Transfer Port: 3007

Self-Defined Message Port: 3009

Beacon Interva[s]: 60

RRS Service

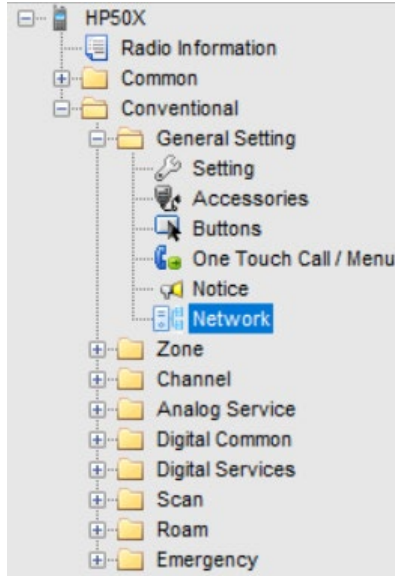
RRS Registration Delay Time[s]: 30

RRS Registration Retry Times: 60

RRS Registration Retry Interva[s]: 30

- Tempo de envio do Beacon

Conventional / Network



Radio Services

Control Center ID: 1

Control Center IP: 10.0.0.1

RRS Port: 3006

Location Port: 3003

TMS Port: 5016

RCP Port: 3005

Telemetry Port: 3006

Data Transfer Port: 3007

Self-Defined Message Port: 3009

Beacon Interval[s]: 60

RRS Service

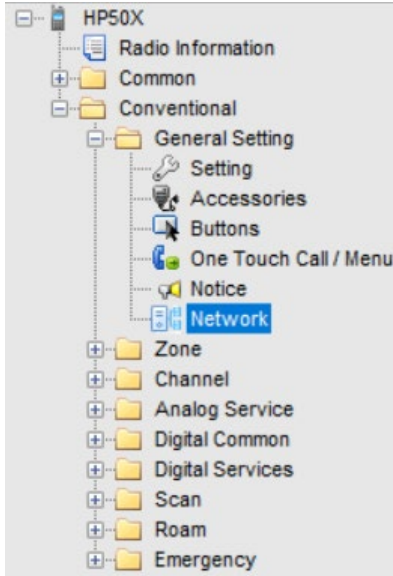
RRS Registration Delay Time[s]: 30

RRS Registration Retry Times: 60

RRS Registration Retry Interval[s]: 30

- Tempo de envio do Registro

Conventional / Network



Radio Services

Control Center ID 1

Control Center IP 10.0.0.1

RRS Port 3006

Location Port 3003

TMS Port 5016

RCP Port 3005

Telemetry Port 3006

Data Transfer Port 3007

Self-Defined Message Port 3009

Beacon Interval[s] 60

RRS Service

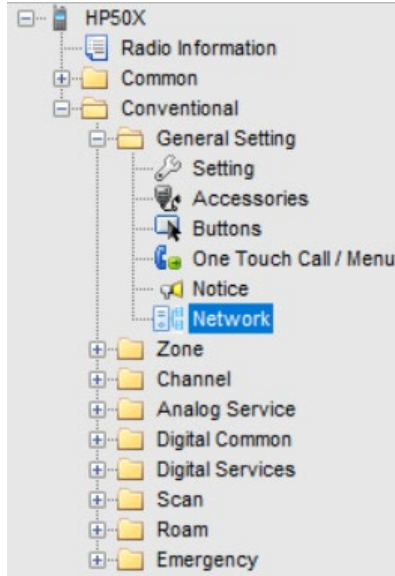
RRS Registration Delay Time[s] 30

RRS Registration Retry Times 60

RRS Registration Retry interval[s] 30

- Tempo máximo para o radio reenviar o registro caso haja falha

Conventional / Network

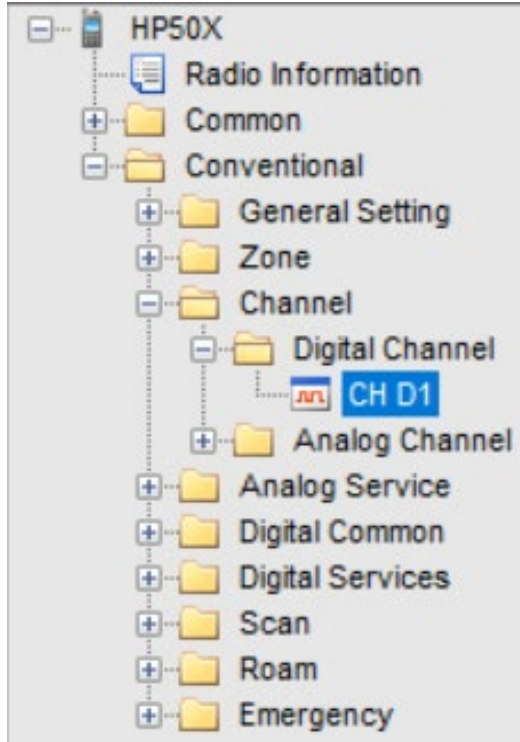


The image shows the 'Radio Services' configuration page. It contains several input fields for port numbers and RRS Service parameters. The 'RRS Registration Retry Interval[s]' field is highlighted with a blue border.

Parameter	Value
Control Center ID	1
Control Center IP	10.0.0.1
RRS Port	3006
Location Port	3003
TMS Port	5016
RCP Port	3005
Telemetry Port	3006
Data Transfer Port	3007
Self-Defined Message Port	3009
Beacon Interval[s]	60
RRS Registration Delay Time[s]	30
RRS Registration Retry Times	60
RRS Registration Retry Interval[s]	30

- Define o tempo de espera para receber o ACK da estação de controle após o envio da mensagem de registro.
- Se esse contador expirar, o rádio tentará novamente enviar a mensagem de registro.

Conventional / Channel



Channel Alias CH D1

Color Code 1

Slot Operation Slot 1

Pseudo Trunk Designated TX None

Scan List/Roam List None

Auto Start Scan

Quick GPS

Talk Around

Rx Only

IP Multi-site Connect

Auto Start Roam

VOX

Option Board

Priority Interrupt Encode

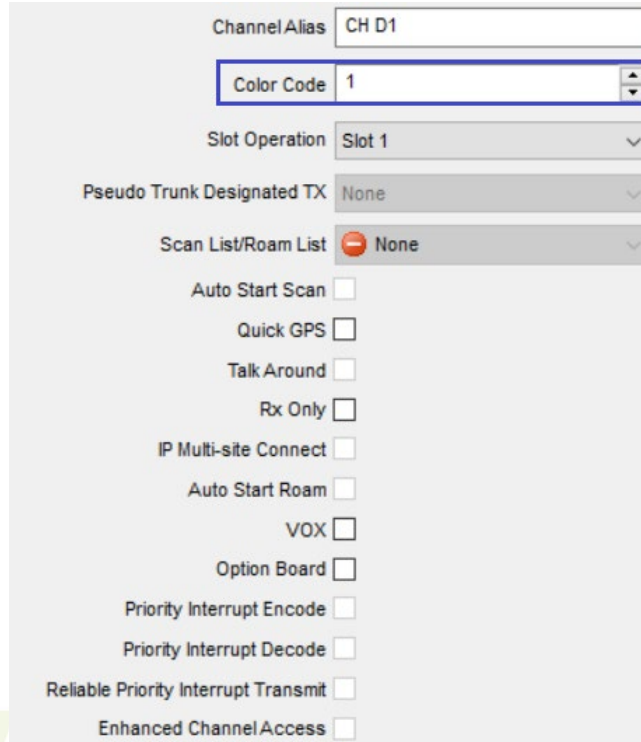
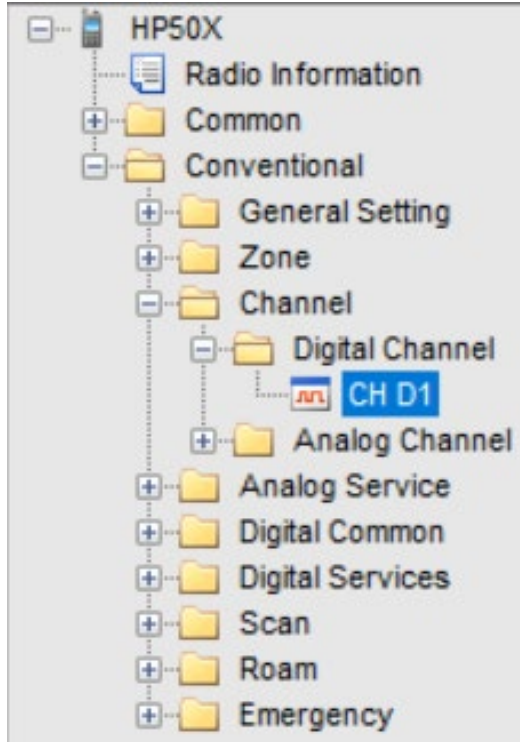
Priority Interrupt Decode

Reliable Priority Interrupt Transmit

Enhanced Channel Access

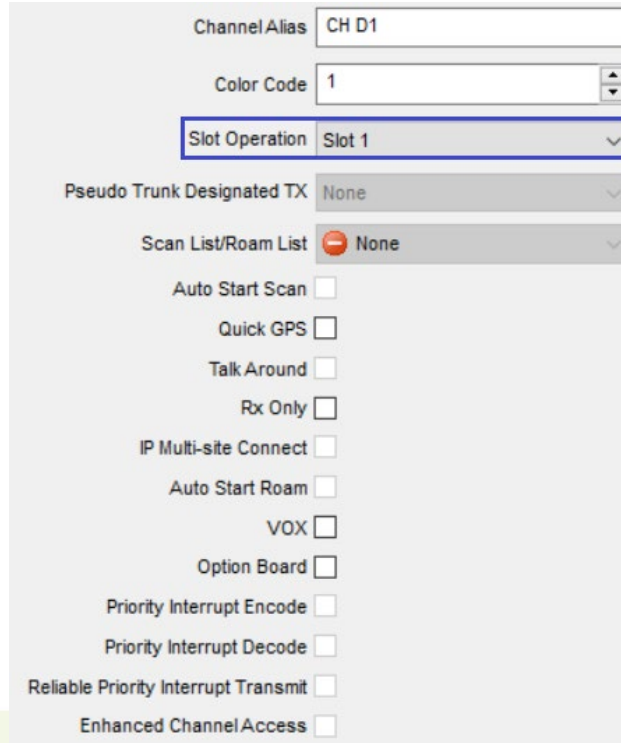
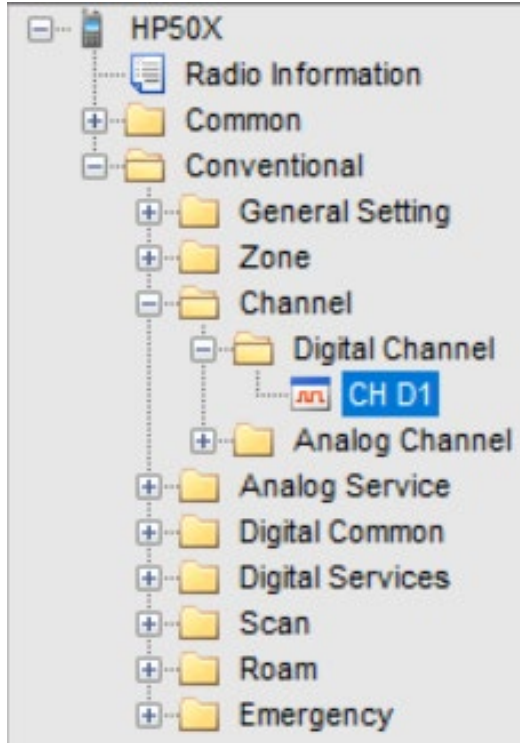
- Alias / Nome do canal

Conventional / Channel



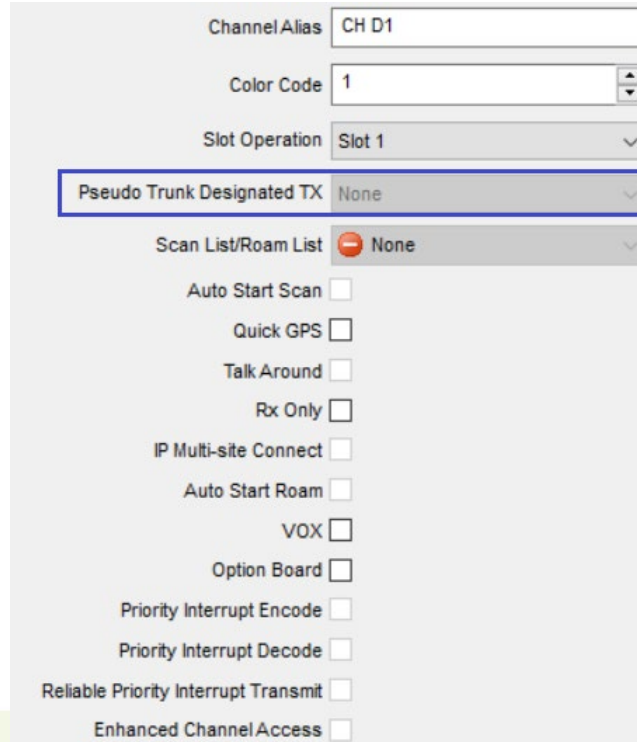
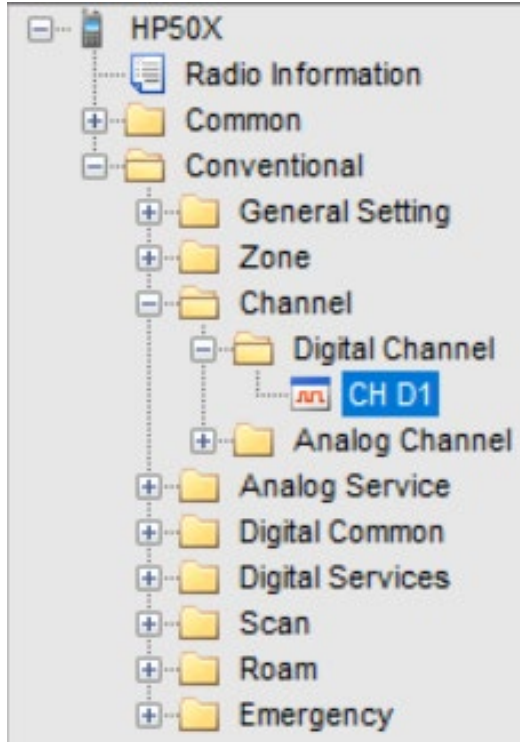
- Código de cores do canal

Conventional / Channel



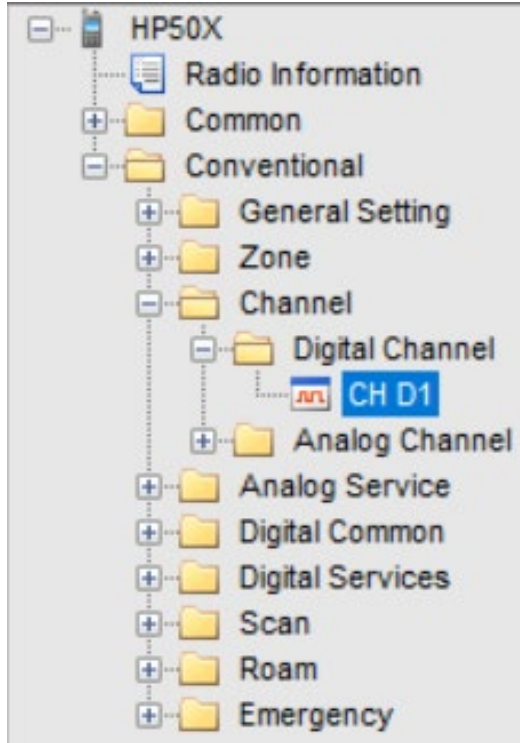
- Slot de operação ou Pseudo Trunk

Conventional / Channel



- Define se o canal irá utilizar os 2 slots (NONE), ou se terá um slot fixo para utilizar os 2 slots no ponto a ponto

Conventional / Channel



Channel Alias: CH D1

Color Code: 1

Slot Operation: Slot 1

Pseudo Trunk Designated TX: None

Scan List/Roam List: **None**

Auto Start Scan

Quick GPS

Talk Around

Rx Only

IP Multi-site Connect

Auto Start Roam

VOX

Option Board

Priority Interrupt Encode

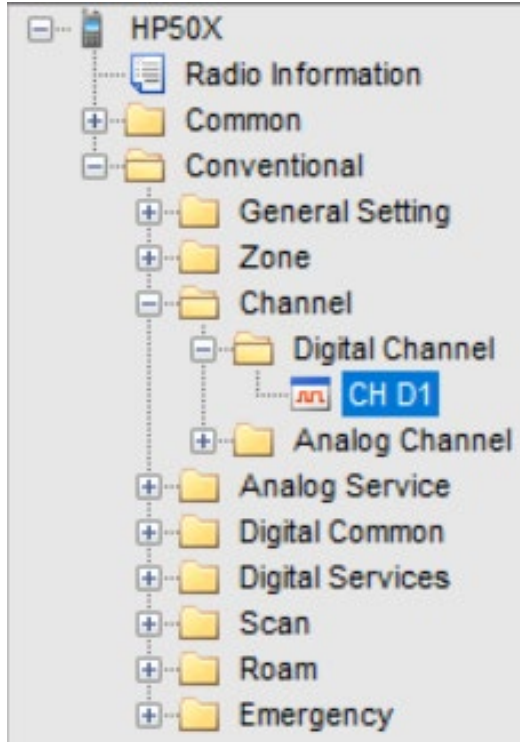
Priority Interrupt Decode

Reliable Priority Interrupt Transmit

Enhanced Channel Access

- Lista de Scan ou Roaming

Conventional / Channel



Channel Alias CH D1

Color Code 1

Slot Operation Slot 1

Pseudo Trunk Designated TX None

Scan List/Roam List None

Auto Start Scan

Quick GPS

Talk Around

Rx Only

IP Multi-site Connect

Auto Start Roam

VOX

Option Board

Priority Interrupt Encode

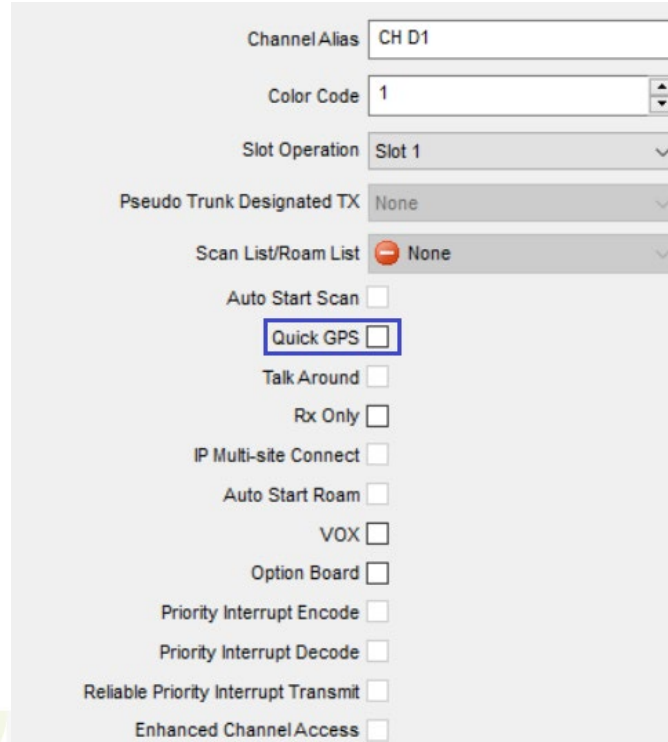
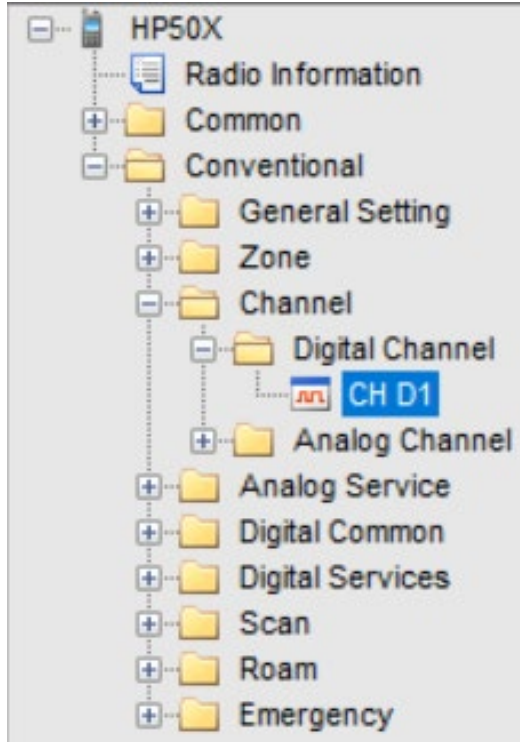
Priority Interrupt Decode

Reliable Priority Interrupt Transmit

Enhanced Channel Access

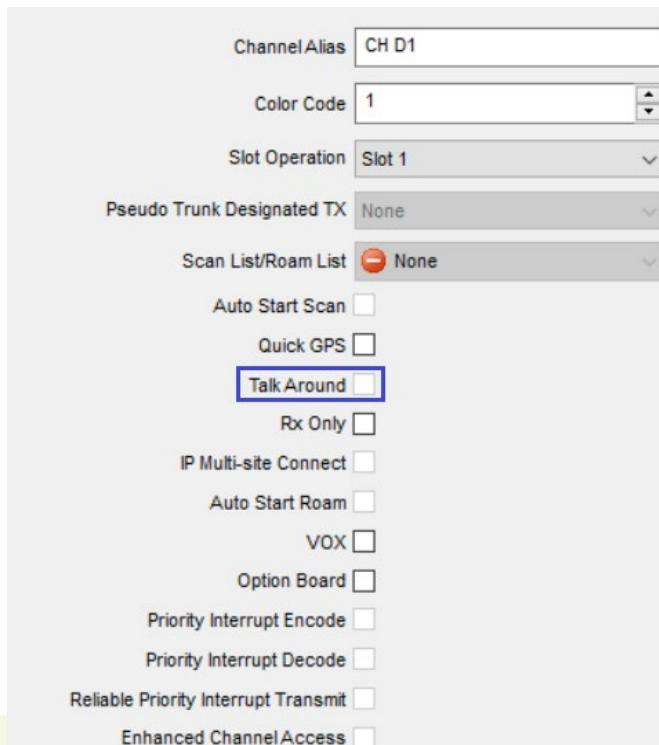
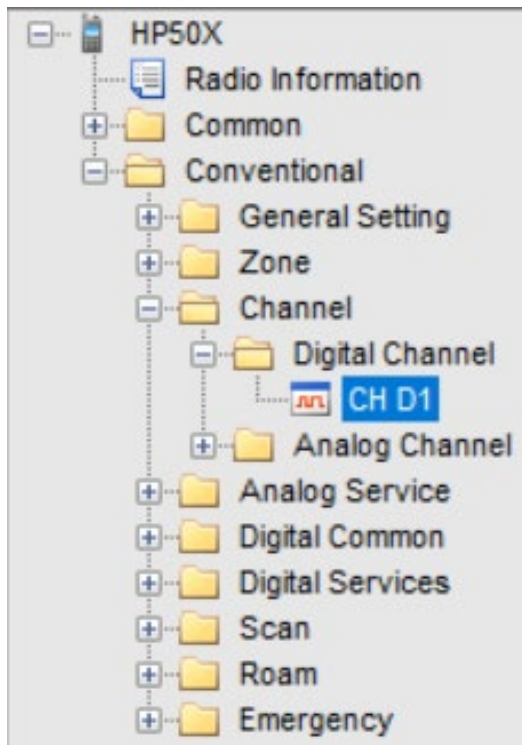
- Ativa o Scan automático no canal selecionado

Conventional / Channel



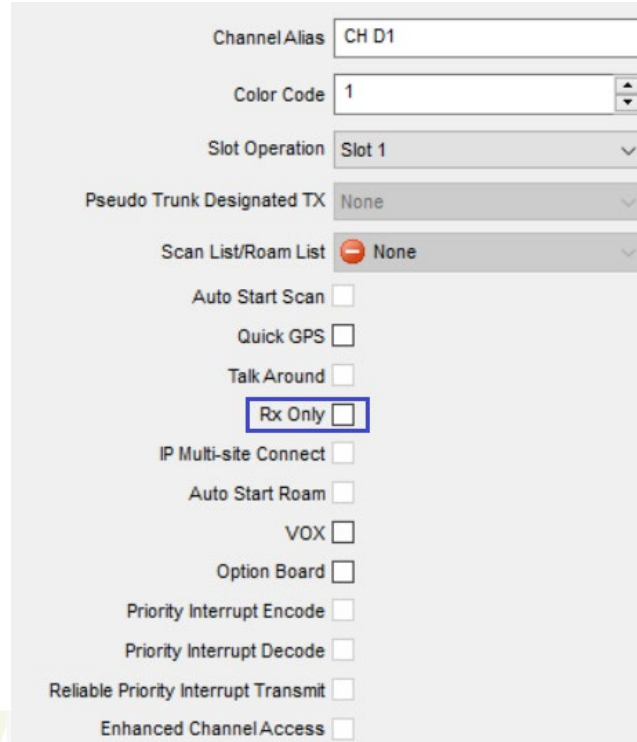
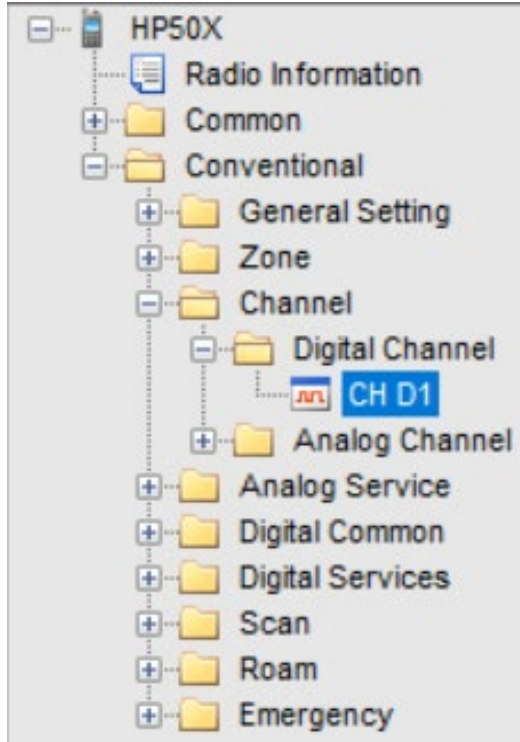
- Ativa o GPS aprimorado no canal selecionado

Conventional / Channel



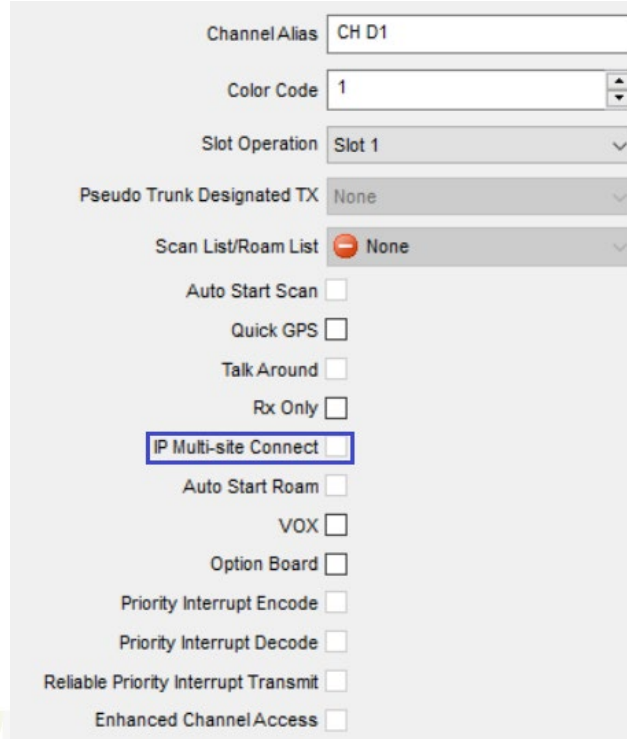
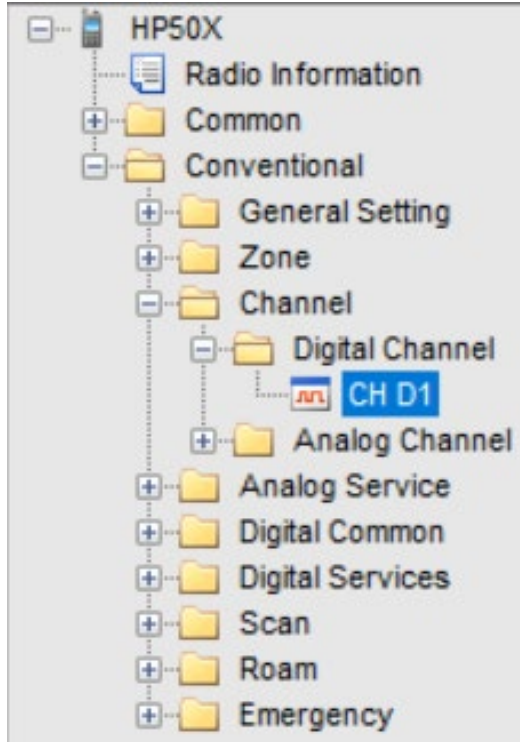
- Habilita a função Talk around no canal seleccionado, é necessário programar um botão lateral

Conventional / Channel



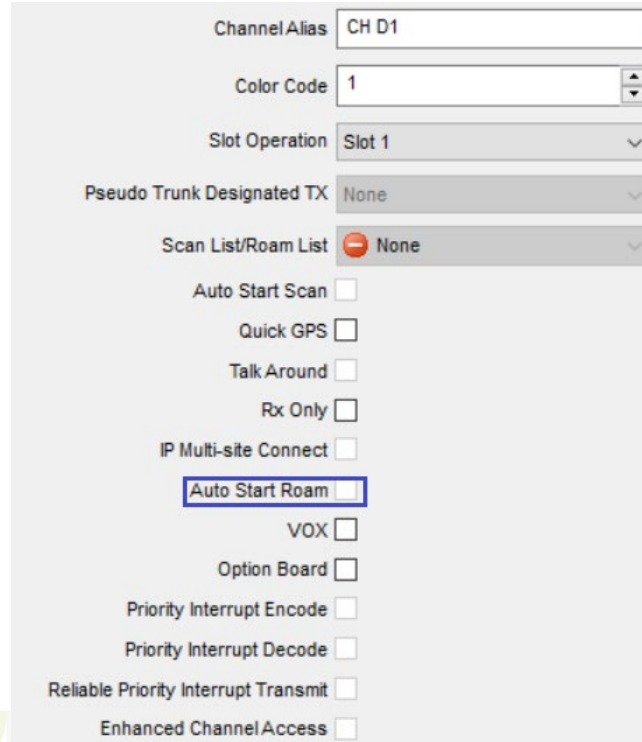
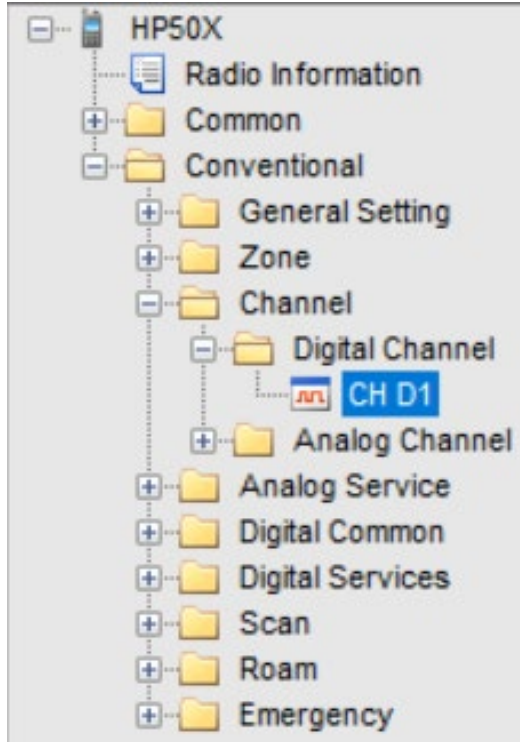
- Somente Recepção, com essa função habilitada o radio não irá transmitir nesse canal

Conventional / Channel



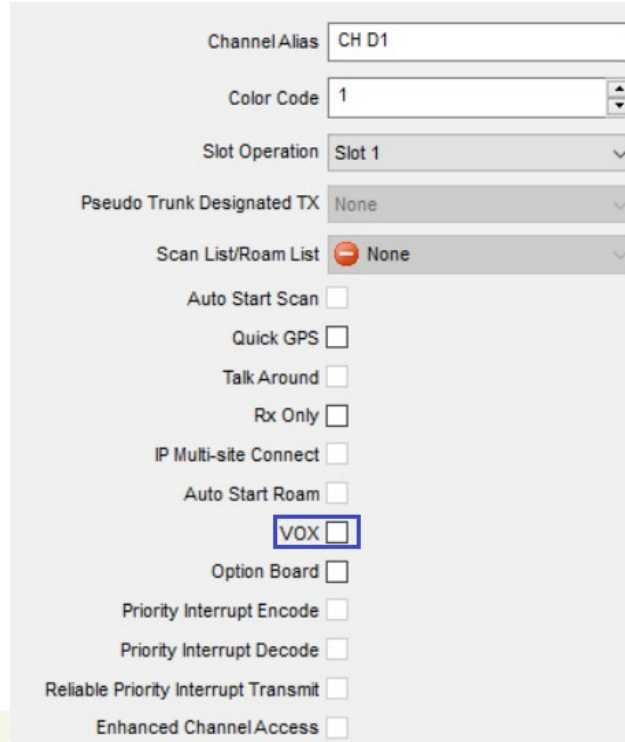
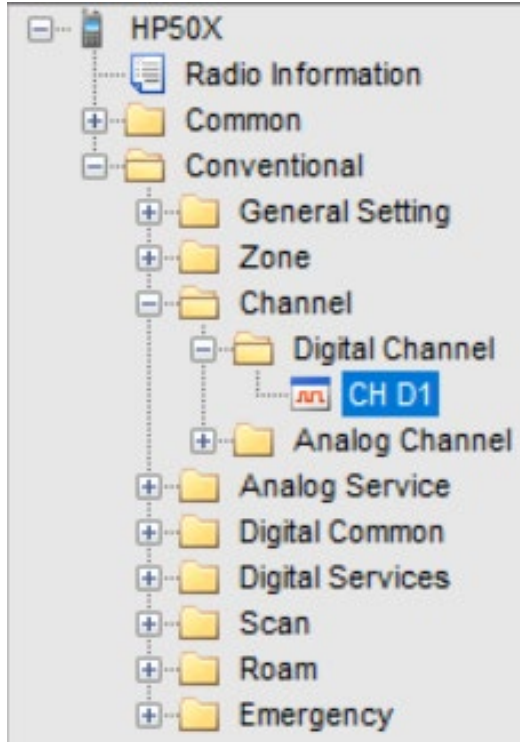
- Ativa a comunicação via IP do canal selecionado

Conventional / Channel



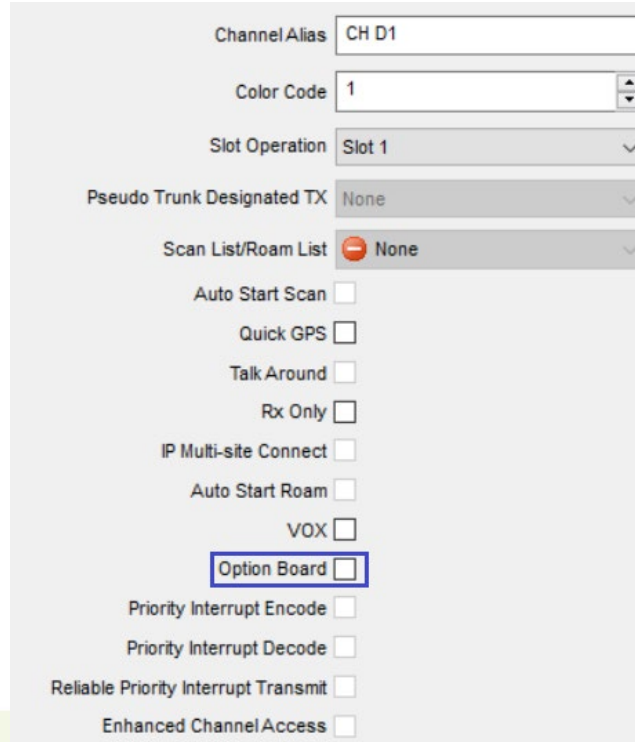
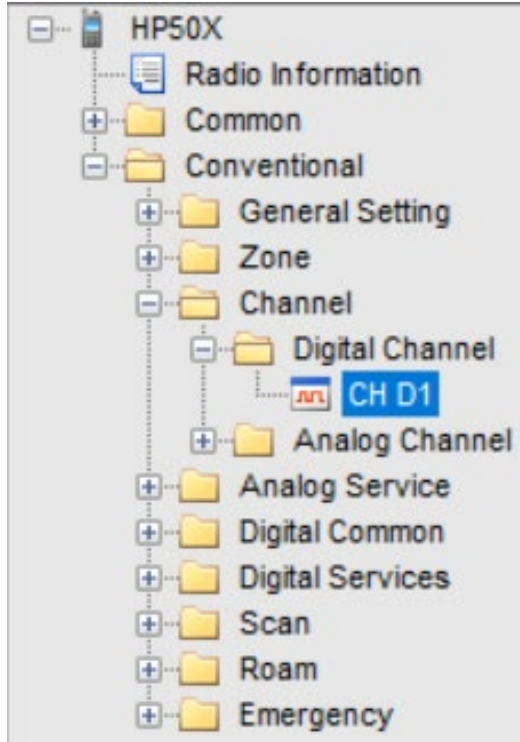
- Inicia a função Roaming automaticamente no canal selecionado

Conventional / Channel



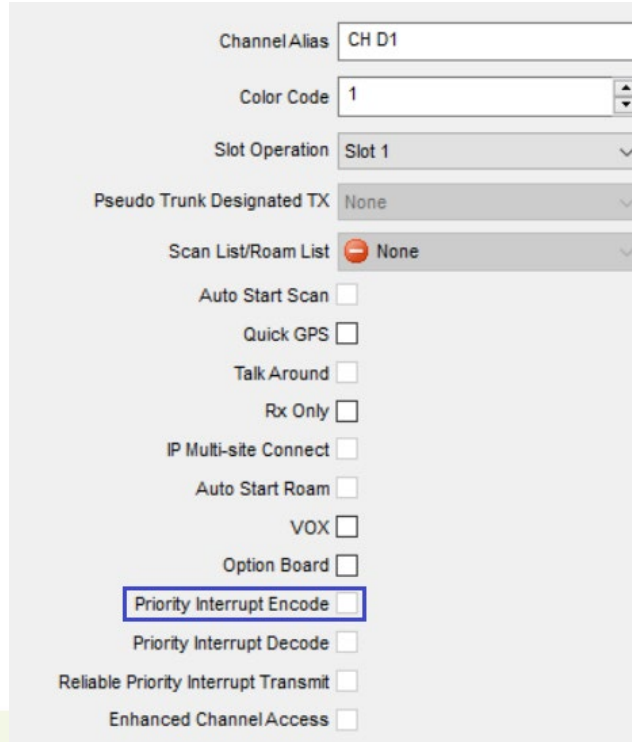
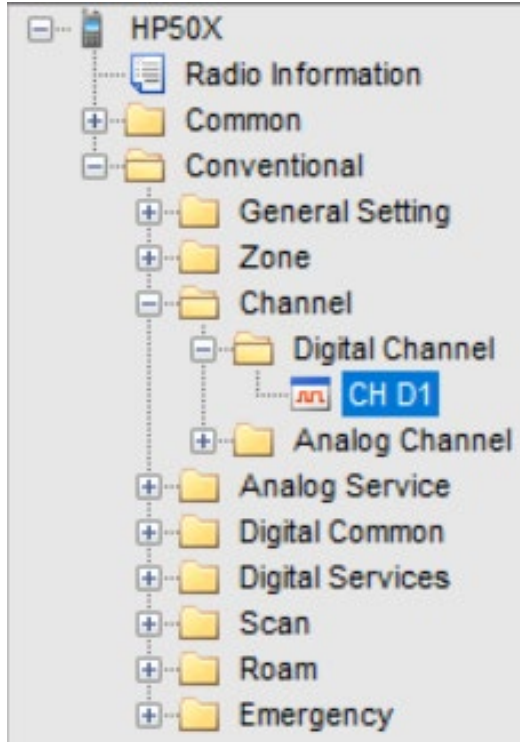
- Habilita o VOX no canal selecionado

Conventional / Channel



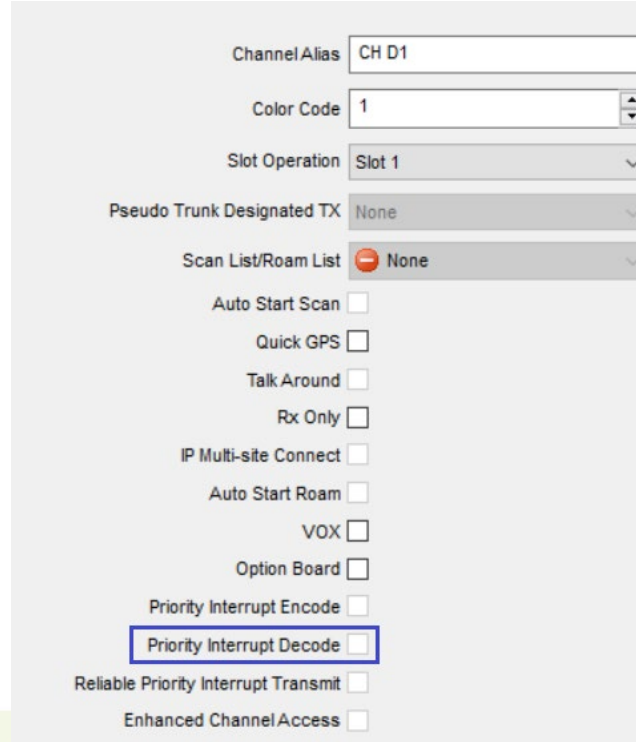
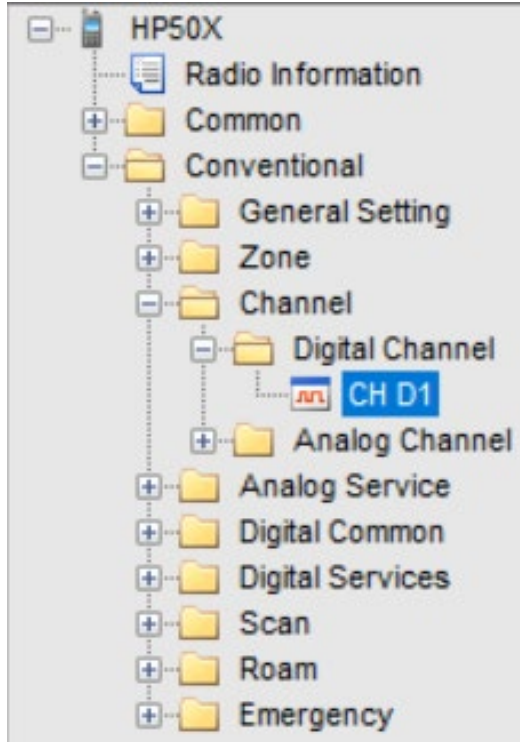
- Habilita a função de placa opcional, se houver hardware adicional instalado

Conventional / Channel



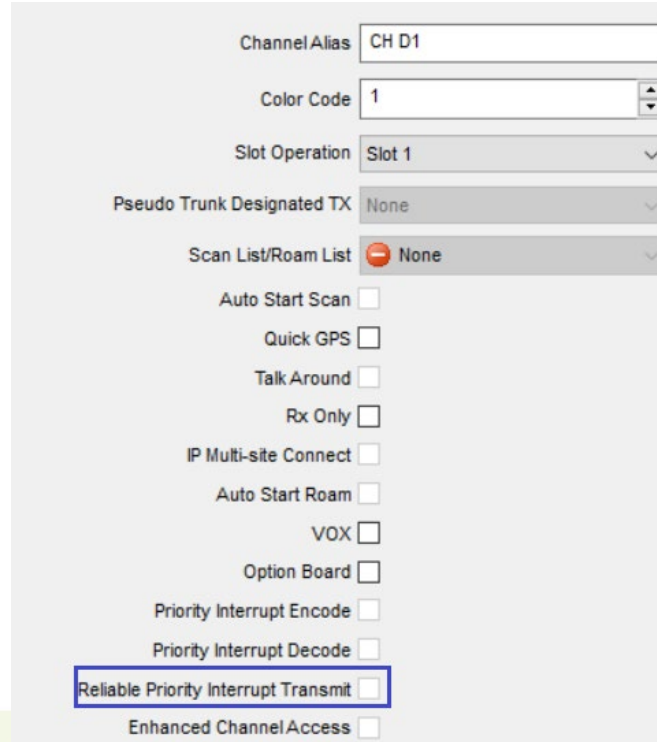
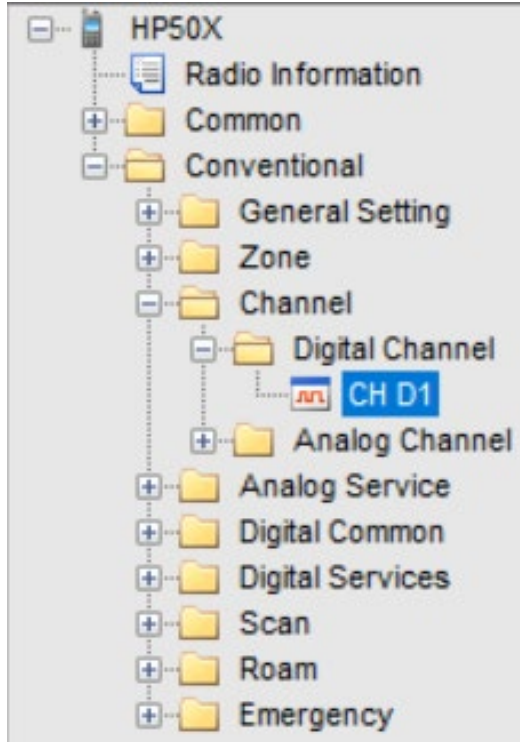
- Ativa a Prioridade de interrupção para o ENVIO.

Conventional / Channel



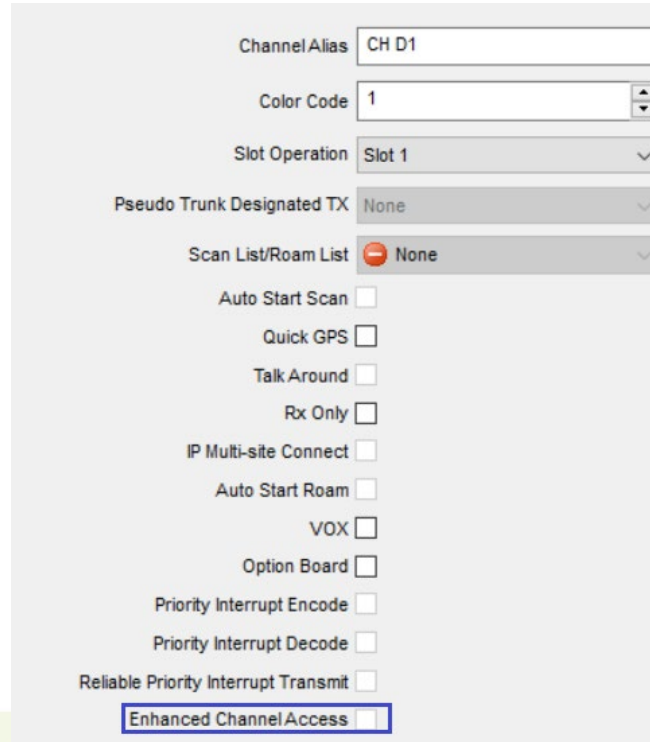
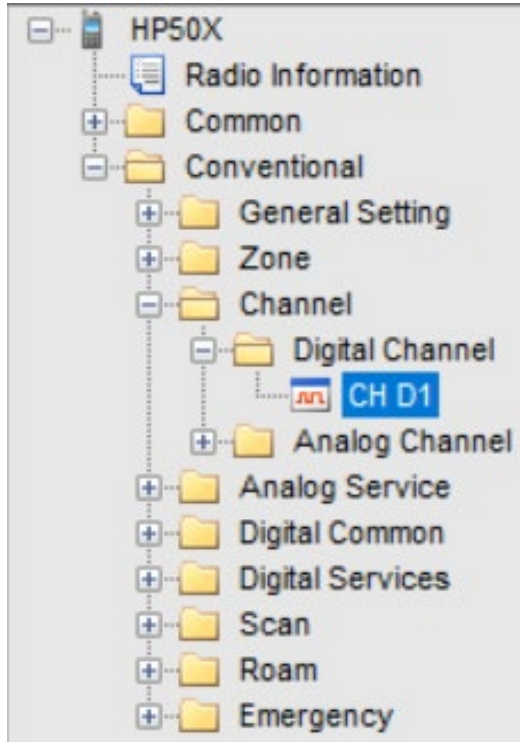
- Ativa a Prioridade de Interrupção para RECEBER o comando.

Conventional / Channel



- Aprimora o sinal de Prioridade interrupção

Conventional / Channel



- Ativa a função de Acesso aprimorado ao canal.
OBS: Deve ser programado na repetidora também.

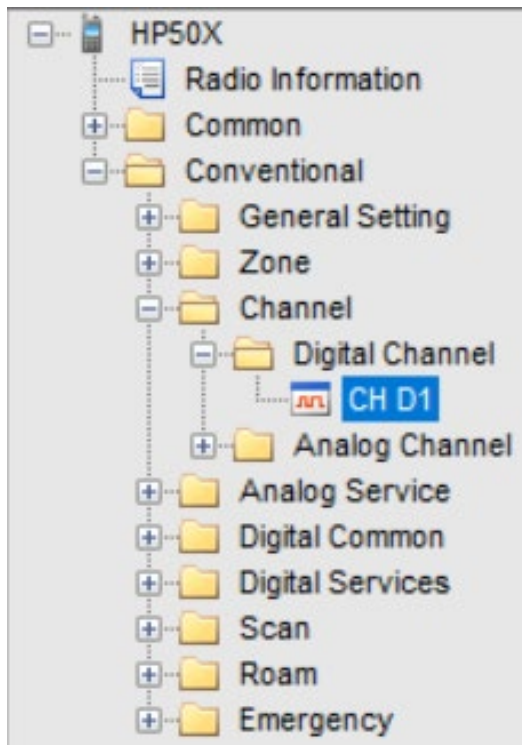
Conventional / Channel

The screenshot displays the configuration interface for an HP50X radio. On the left is a tree view of the configuration menu, with 'Conventional' > 'Channel' > 'CH D1' selected. The main area is divided into three panels:

- Rx Panel:** Shows 'Receive Frequency [MHz]' set to 403.000000, 'Rx Group List' set to 'Rx Group List 1', and 'Offset [MHz]' set to 0.000000. There are checkboxes for 'Emergency Alarm Indication' and 'Emergency Call Indication', and an 'Encrypt' section with an 'Encrypt' checkbox and 'Encrypt Key' set to 'None'.
- Offset Panel:** A 'Copy' button is located below the offset field.
- Tx Panel:** Shows 'Transmit Frequency [MHz]' set to 403.000000, 'Tx Contact Name' set to 'Call 1', and 'Location Info Revert Channel' set to 'None'. Other settings include 'RRS Revert Channel' (None), 'Emergency System' (DigitalSys 1), 'Power Level' (Low), 'Tx Admit' (Channel Free), 'In Call TX Admit' (Color Code Free), 'Tx Time-out Time [s]' (60), 'TOT Pre-Alert Time [s]' (0), 'TOT Re-key Time [s]' (0), 'TOT Reset Time [s]' (0), and 'Private Call Confirmed' (checked). The 'RSSI Threshold' is set to -113.

- Frequencia de Tx e Rx

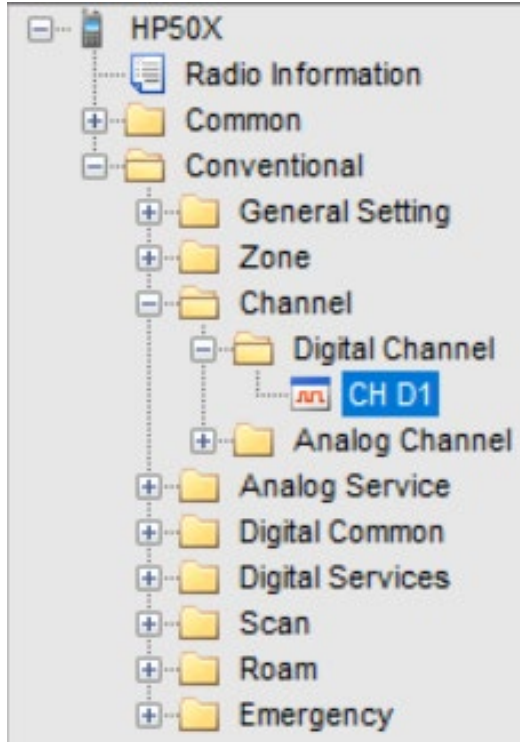
Conventional / Channel



Rx	Offset [MHz]	Tx
Receive Frequency [MHz] 403.000000	0.000000	Transmit Frequency [MHz] 403.000000
Rx Group List Rx Group List 1	Copy	Tx Contact Name Call 1
Emergency Alarm Indication <input type="checkbox"/>		Location Info Revert Channel None
Emergency Call Indication <input type="checkbox"/>		RRS Revert Channel None
Encrypt		Emergency System DigitalSys 1
Encrypt <input type="checkbox"/>		Power Level Low
Encrypt Key None		Tx Admit Channel Free
		In Call TX Admit Color Code Free
		Tx Time-out Time [s] 60
		TOT Pre-Alert Time [s] 0
		TOT Re-key Time [s] 0
		TOT Reset Time [s] 0
		Private Call Confirmed <input checked="" type="checkbox"/>
		RSSI Threshold -113

- Grupo de Tx
- Lista do Grupo de Rx

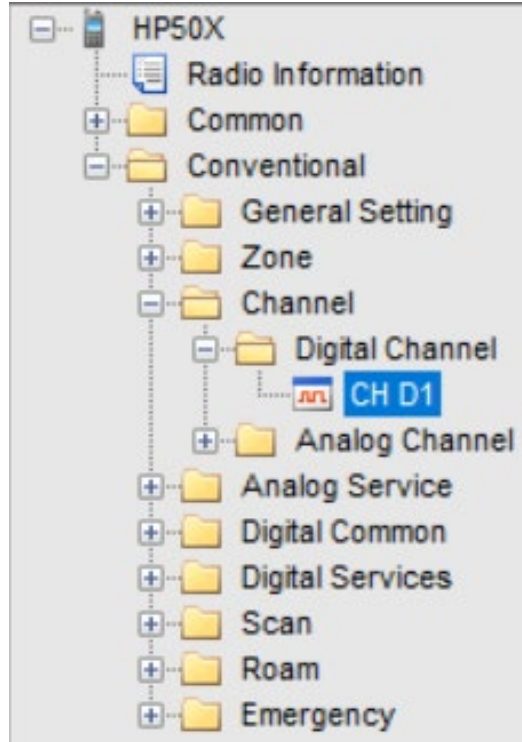
Conventional / Channel



Rx	Offset [MHz]	Tx
Receive Frequency [MHz] 403.000000	0.000000	Transmit Frequency [MHz] 403.000000
Rx Group List Rx Group List 1	Copy	Tx Contact Name Call 1
Emergency Alarm Indication <input type="checkbox"/>		Location Info Revert Channel None
Emergency Call Indication <input type="checkbox"/>		RRS Revert Channel None
Encrypt		Emergency System DigitalSys 1
Encrypt <input type="checkbox"/>		Power Level Low
Encrypt Key None		Tx Admit Channel Free
		In Call TX Admit Color Code Free
		Tx Time-out Time [s] 60
		TOT Pre-Alert Time [s] 0
		TOT Re-key Time [s] 0
		TOT Reset Time [s] 0
		Private Call Confirmed <input checked="" type="checkbox"/>
		RSSI Threshold -113

- Indicação de Alarme de Emergencia
- Indicação de Chamada de Emergencia

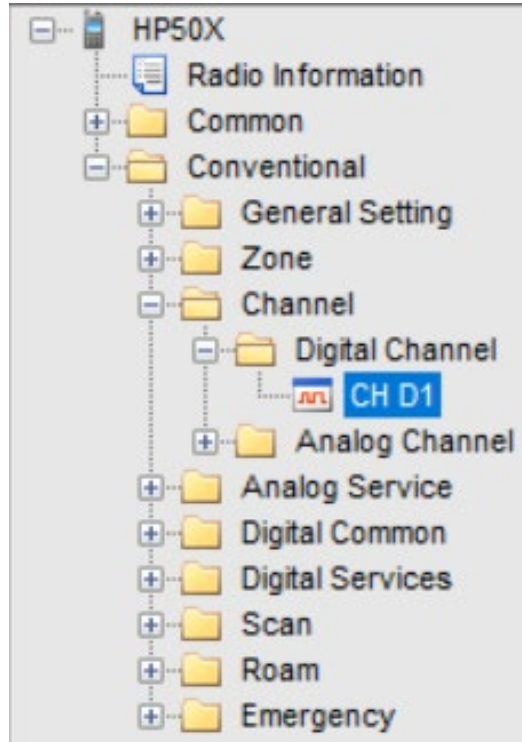
Conventional / Channel



Rx		Offset [MHz]	Tx	
Receive Frequency [MHz]	403.000000	0.000000	Transmit Frequency [MHz]	403.000000
Rx Group List	Rx Group List 1	Copy	Tx Contact Name	Call 1
Emergency Alarm Indication	<input type="checkbox"/>		Location Info Revert Channel	None
Emergency Call Indication	<input type="checkbox"/>		RRS Revert Channel	None
Encrypt			Emergency System	DigitalSys 1
Encrypt	<input type="checkbox"/>		Power Level	Low
Encrypt Key	None		Tx Admit	Channel Free
			In Call TX Admit	Color Code Free
			Tx Time-out Time [s]	60
			TOT Pre-Alert Time [s]	0
			TOT Re-key Time [s]	0
			TOT Reset Time [s]	0
			Private Call Confirmed	<input checked="" type="checkbox"/>
			RSSI Threshold	-113

- Habilitar a criptografia no canal

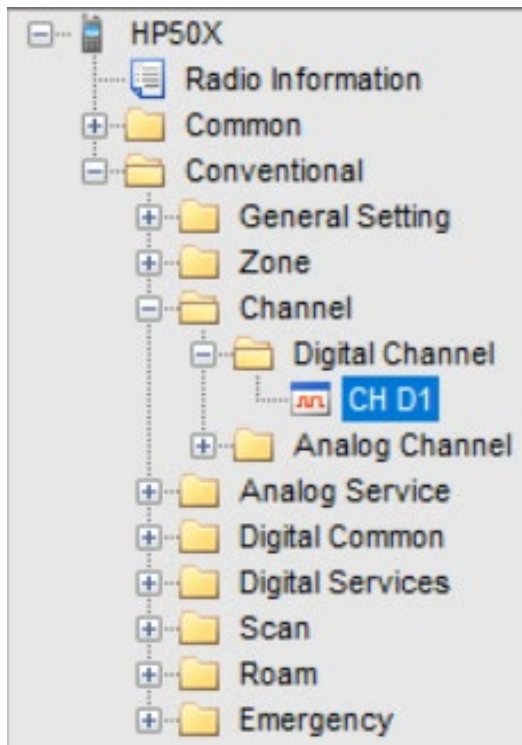
Conventional / Channel



Rx		Offset [MHz]	Tx	
Receive Frequency [MHz]	403.000000	0.000000	Transmit Frequency [MHz]	403.000000
Rx Group List	Rx Group List 1	Copy	Tx Contact Name	Call 1
Emergency Alarm Indication	<input type="checkbox"/>		Location Info Revert Channel	None
Emergency Call Indication	<input type="checkbox"/>		RRS Revert Channel	None
Encrypt			Emergency System	DigitalSys 1
Encrypt	<input type="checkbox"/>		Power Level	Low
Encrypt Key	None		Tx Admit	Channel Free
			In Call TX Admit	Color Code Free
			Tx Time-out Time [s]	60
			TOT Pre-Alert Time [s]	0
			TOT Re-key Time [s]	0
			TOT Reset Time [s]	0
			Private Call Confirmed	<input checked="" type="checkbox"/>
			RSSI Threshold	-113

- Canal de reversão do GPS

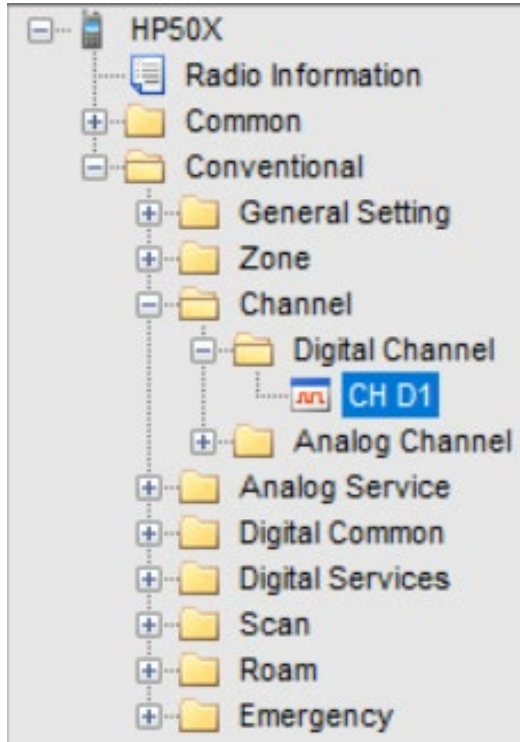
Conventional / Channel



Rx	Offset [MHz]	Tx
Receive Frequency [MHz] 403.000000	0.000000	Transmit Frequency [MHz] 403.000000
Rx Group List Rx Group List 1	Copy	Tx Contact Name Call 1
Emergency Alarm Indication <input type="checkbox"/>		Location Info Revert Channel None
Emergency Call Indication <input type="checkbox"/>		RRS Revert Channel None
Encrypt		Emergency System DigitalSys 1
Encrypt <input type="checkbox"/>		Power Level Low
Encrypt Key None		Tx Admit Channel Free
		In Call TX Admit Color Code Free
		Tx Time-out Time [s] 60
		TOT Pre-Alert Time [s] 0
		TOT Re-key Time [s] 0
		TOT Reset Time [s] 0
		Private Call Confirmed <input checked="" type="checkbox"/>
		RSSI Threshold -113

- Canal de reversão do Registro (RRS)

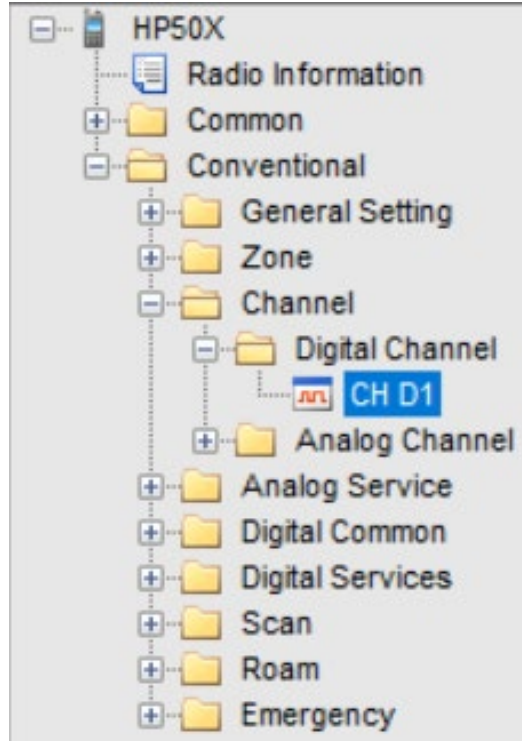
Conventional / Channel



Rx		Offset [MHz]	Tx	
Receive Frequency [MHz]	403.000000	0.000000	Transmit Frequency [MHz]	403.000000
Rx Group List	Rx Group List 1	<input type="button" value="Copy"/>	Tx Contact Name	Call 1
Emergency Alarm Indication	<input type="checkbox"/>		Location Info Revert Channel	None
Emergency Call Indication	<input type="checkbox"/>		RRS Revert Channel	None
Encrypt			Emergency System	DigitalSys 1
Encrypt	<input type="checkbox"/>		Power Level	Low
Encrypt Key	None		Tx Admit	Channel Free
			In Call TX Admit	Color Code Free
			Tx Time-out Time [s]	60
			TOT Pre-Alert Time [s]	0
			TOT Re-key Time [s]	0
			TOT Reset Time [s]	0
			Private Call Confirmed	<input checked="" type="checkbox"/>
			RSSI Threshold	-113

- Ativa sistema de emergencia no canal selecionado

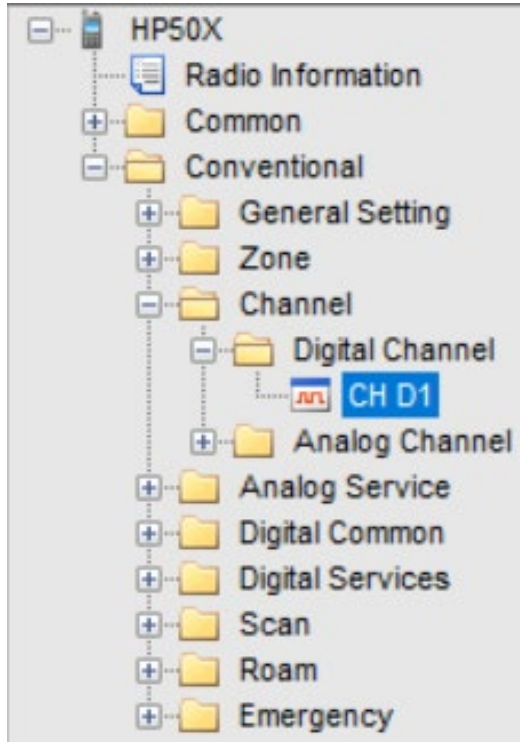
Conventional / Channel



Rx		Offset [MHz]	Tx	
Receive Frequency [MHz]	403.000000	0.000000	Transmit Frequency [MHz]	403.000000
Rx Group List	Rx Group List 1	Copy	Tx Contact Name	Call 1
Emergency Alarm Indication	<input type="checkbox"/>		Location Info Revert Channel	None
Emergency Call Indication	<input type="checkbox"/>		RRS Revert Channel	None
Encrypt			Emergency System	DigitalSys 1
Encrypt	<input type="checkbox"/>		Power Level	Low
Encrypt Key	None		Tx Admit	Channel Free
			In Call TX Admit	Color Code Free
			Tx Time-out Time [s]	60
			TOT Pre-Alert Time [s]	0
			TOT Re-key Time [s]	0
			TOT Reset Time [s]	0
			Private Call Confirmed	<input checked="" type="checkbox"/>
			RSSI Threshold	-113

- Nivel de potencia do canal, Alto ou baixo

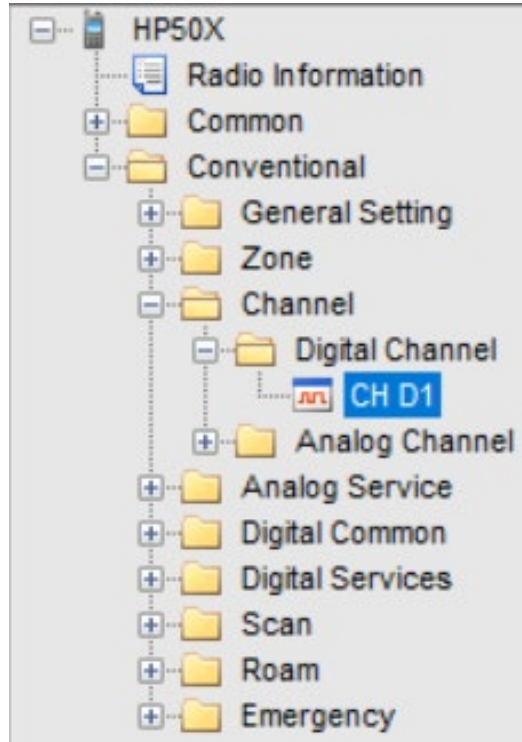
Conventional / Channel



Rx		Offset [MHz]	Tx	
Receive Frequency [MHz]	403.000000	0.000000	Transmit Frequency [MHz]	403.000000
Rx Group List	Rx Group List 1	<input type="button" value="Copy"/>	Tx Contact Name	Call 1
Emergency Alarm Indication	<input type="checkbox"/>		Location Info Revert Channel	None
Emergency Call Indication	<input type="checkbox"/>		RRS Revert Channel	None
Encrypt			Emergency System	DigitalSys 1
Encrypt	<input type="checkbox"/>		Power Level	Low
Encrypt Key	None		Tx Admit	Channel Free
			In Call TX Admit	Color Code Free
			Tx Time-out Time [s]	60
			TOT Pre-Alert Time [s]	0
			TOT Re-key Time [s]	0
			TOT Reset Time [s]	0
			Private Call Confirmed	<input checked="" type="checkbox"/>
			RSSI Threshold	-113

- Permitir sempre: o usuário pode transmitir o tempo todo.
- Canal Livre: o rádio só pode transmitir se o canal estiver livre.
- Color Code Free: o rádio pode transmitir apenas quando o canal estiver livre ou o código de cores não corresponder.

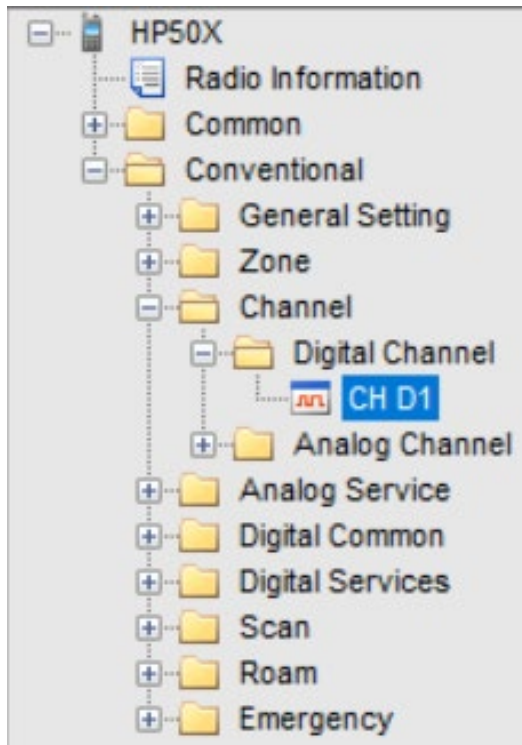
Conventional / Channel



Rx	Offset [MHz]	Tx
Receive Frequency [MHz] 403.000000	0.000000	Transmit Frequency [MHz] 403.000000
Rx Group List Rx Group List 1	Copy	Tx Contact Name Call 1
Emergency Alarm Indication <input type="checkbox"/>		Location Info Revert Channel None
Emergency Call Indication <input type="checkbox"/>		RRS Revert Channel None
Encrypt		Emergency System DigitalSys 1
Encrypt <input type="checkbox"/>		Power Level Low
Encrypt Key None		Tx Admit Channel Free
		In Call TX Admit Color Code Free
		Tx Time-out Time [s] 60
		TOT Pre-Alert Time [s] 0
		TOT Re-key Time [s] 0
		TOT Reset Time [s] 0
		Private Call Confirmed <input checked="" type="checkbox"/>
		RSSI Threshold -113

- Determina quando a voz pode ser transmitida no canal enquanto o rádio está recebendo uma chamada.

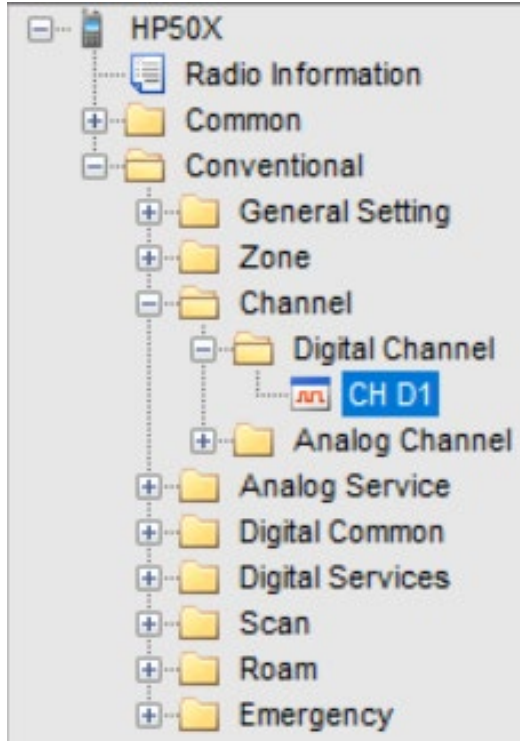
Conventional / Channel



Rx	Offset [MHz]	Tx
Receive Frequency [MHz] 403.000000	0.000000	Transmit Frequency [MHz] 403.000000
Rx Group List Rx Group List 1	Copy	Tx Contact Name Call 1
Emergency Alarm Indication <input type="checkbox"/>		Location Info Revert Channel None
Emergency Call Indication <input type="checkbox"/>		RRS Revert Channel None
Encrypt		Emergency System DigitalSys 1
Encrypt <input type="checkbox"/>		Power Level Low
Encrypt Key None		Tx Admit Channel Free
		In Call TX Admit Color Code Free
		Tx Time-out Time [s] 60
		TOT Pre-Alert Time [s] 0
		TOT Re-key Time [s] 0
		TOT Reset Time [s] 0
		Private Call Confirmed <input checked="" type="checkbox"/>
		RSSI Threshold -113

- Tempo máximo de transmissão

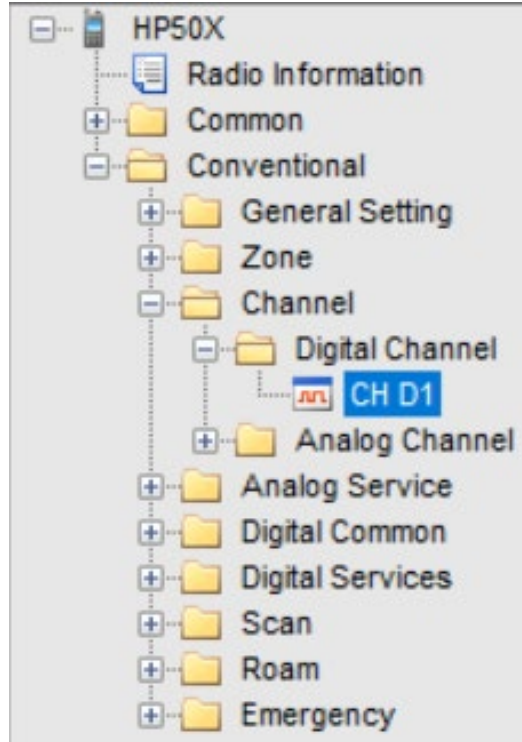
Conventional / Channel



Rx	Offset [MHz]	Tx
Receive Frequency [MHz] 403.000000	0.000000	Transmit Frequency [MHz] 403.000000
Rx Group List Rx Group List 1	Copy	Tx Contact Name Call 1
Emergency Alarm Indication <input type="checkbox"/>		Location Info Revert Channel None
Emergency Call Indication <input type="checkbox"/>		RRS Revert Channel None
Encrypt		Emergency System DigitalSys 1
Encrypt <input type="checkbox"/>		Power Level Low
Encrypt Key None		Tx Admit Channel Free
		In Call TX Admit Color Code Free
		Tx Time-out Time [s] 60
		TOT Pre-Alert Time [s] 0
		TOT Re-key Time [s] 0
		TOT Reset Time [s] 0
		Private Call Confirmed <input checked="" type="checkbox"/>
		RSSI Threshold -113

- Tempo máximo restante antes da comunicação cair

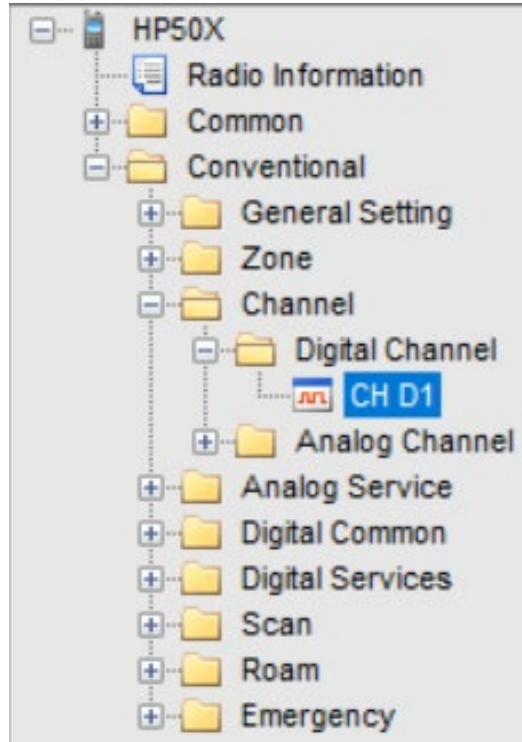
Conventional / Channel



Rx		Offset [MHz]	Tx	
Receive Frequency [MHz]	403.000000	0.000000	Transmit Frequency [MHz]	403.000000
Rx Group List	Rx Group List 1	Copy	Tx Contact Name	Call 1
Emergency Alarm Indication	<input type="checkbox"/>		Location Info Revert Channel	None
Emergency Call Indication	<input type="checkbox"/>		RRS Revert Channel	None
Encrypt			Emergency System	DigitalSys 1
Encrypt	<input type="checkbox"/>		Power Level	Low
Encrypt Key	None		Tx Admit	Channel Free
			In Call TX Admit	Color Code Free
			Tx Time-out Time [s]	60
			TOT Pre-Alert Time [s]	0
			TOT Re-key Time [s]	0
			TOT Reset Time [s]	0
			Private Call Confirmed	<input checked="" type="checkbox"/>
			RSSI Threshold	-113

- Tempo que o usuário terá que aguardar se exceder o TOT

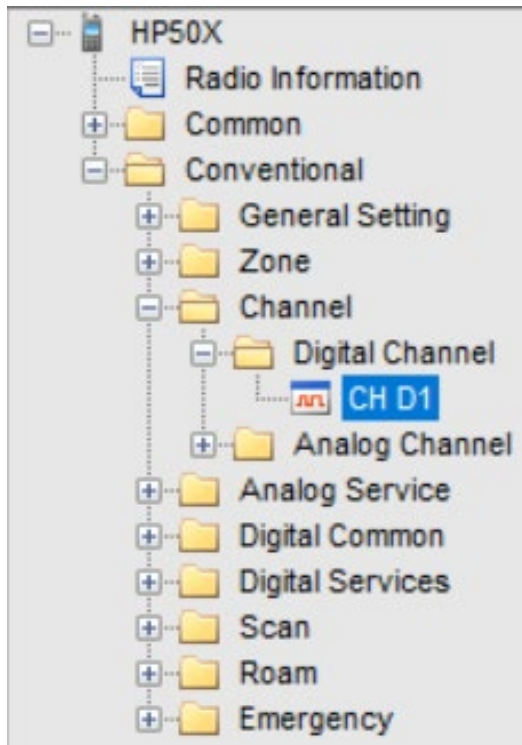
Conventional / Channel



Rx	Offset [MHz]	Tx
Receive Frequency [MHz] 403.000000	0.000000	Transmit Frequency [MHz] 403.000000
Rx Group List Rx Group List 1	Copy	Tx Contact Name Call 1
Emergency Alarm Indication <input type="checkbox"/>		Location Info Revert Channel None
Emergency Call Indication <input type="checkbox"/>		RRS Revert Channel None
Encrypt		Emergency System DigitalSys 1
Encrypt <input type="checkbox"/>		Power Level Low
Encrypt Key None		Tx Admit Channel Free
		In Call TX Admit Color Code Free
		Tx Time-out Time [s] 60
		TOT Pre-Alert Time [s] 0
		TOT Re-key Time [s] 0
		TOT Reset Time [s] 0
		Private Call Confirmed <input checked="" type="checkbox"/>
		RSSI Threshold -113

- Se o rádio transmitir novamente dentro da duração configurada para TOT Reset Time, o TOT não será zerado, mas continuará a contagem regressiva.

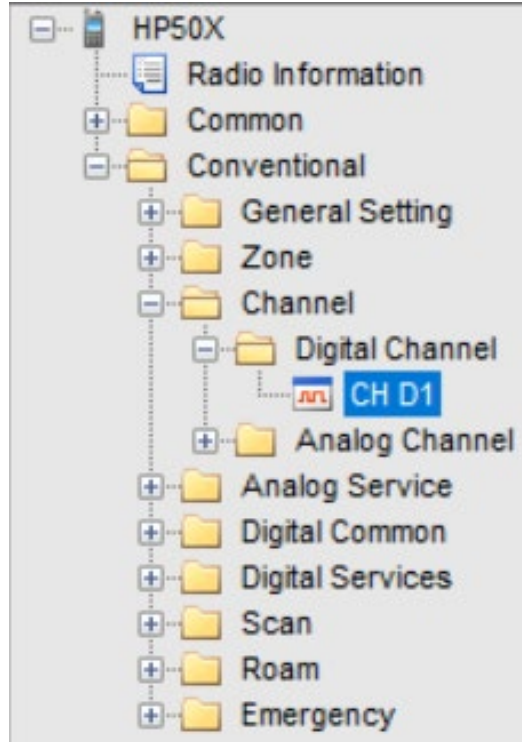
Conventional / Channel



Rx		Offset [MHz]	Tx	
Receive Frequency [MHz]	403.000000	0.000000	Transmit Frequency [MHz]	403.000000
Rx Group List	Rx Group List 1	Copy	Tx Contact Name	Call 1
Emergency Alarm Indication	<input type="checkbox"/>		Location Info Revert Channel	None
Emergency Call Indication	<input type="checkbox"/>		RRS Revert Channel	None
Encrypt			Emergency System	DigitalSys 1
Encrypt	<input type="checkbox"/>		Power Level	Low
Encrypt Key	None		Tx Admit	Channel Free
			In Call TX Admit	Color Code Free
			Tx Time-out Time [s]	60
			TOT Pre-Alert Time [s]	0
			TOT Re-key Time [s]	0
			TOT Reset Time [s]	0
			Private Call Confirmed	<input checked="" type="checkbox"/>
			RSSI Threshold	-113

- Esta opção configura se o rádio envia uma solicitação de chamada privada confirmada quando o usuário está tentando iniciar uma chamada privada.

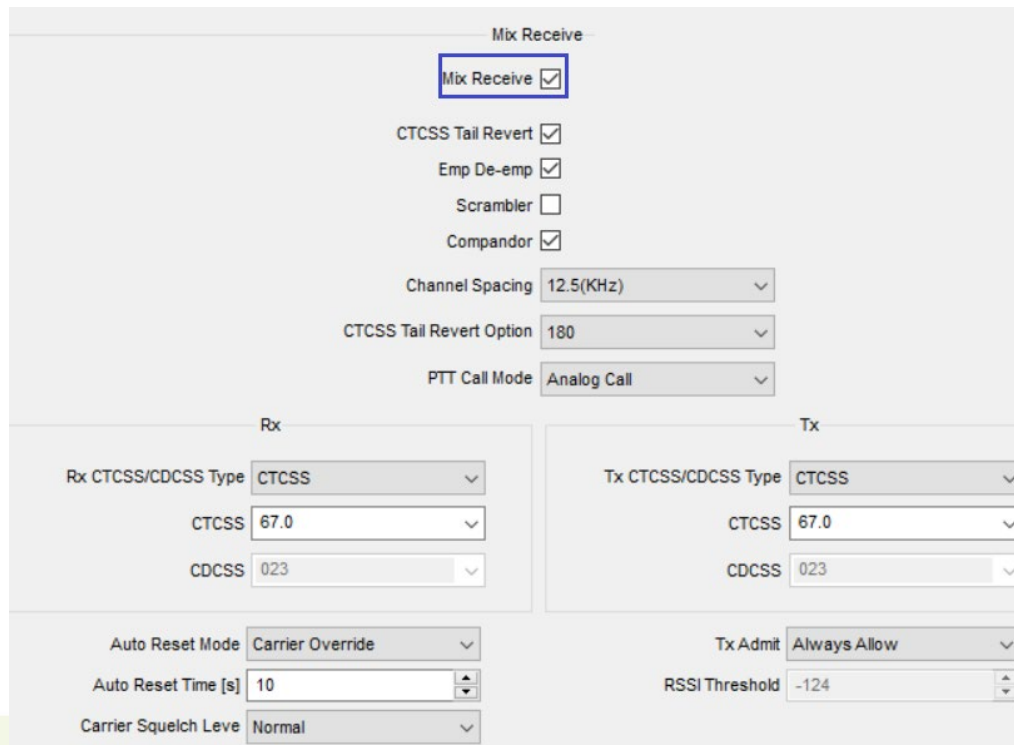
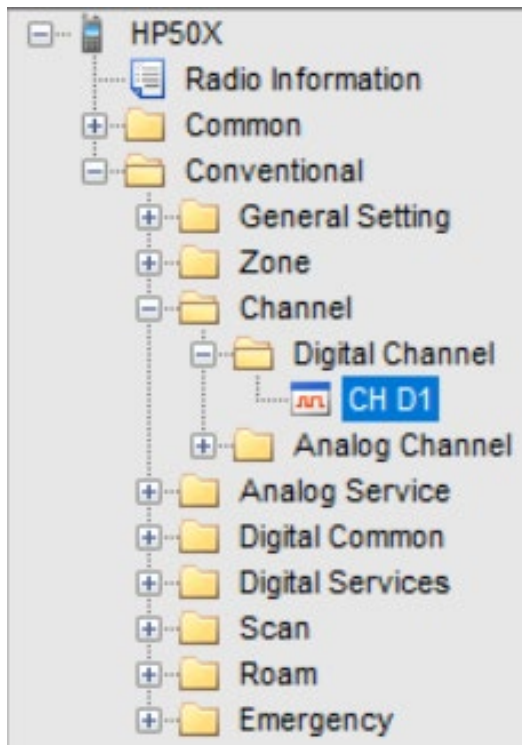
Conventional / Channel



The screenshot shows the configuration form for CH D1. The form is divided into three main sections: Rx, Offset [MHz], and Tx. The Rx section includes fields for Receive Frequency [MHz] (403.000000), Rx Group List (Rx Group List 1), Emergency Alarm Indication (checkbox), and Emergency Call Indication (checkbox). The Offset section includes a field for Offset [MHz] (0.000000) and a Copy button. The Tx section includes fields for Transmit Frequency [MHz] (403.000000), Tx Contact Name (Call 1), Location Info Revert Channel (None), RRS Revert Channel (None), Emergency System (DigitalSys 1), Power Level (Low), Tx Admit (Channel Free), In Call TX Admit (Color Code Free), Tx Time-out Time [s] (60), TOT Pre-Alert Time [s] (0), TOT Re-key Time [s] (0), TOT Reset Time [s] (0), and Private Call Confirmed (checkbox). A separate field for RSSI Threshold is set to -113.

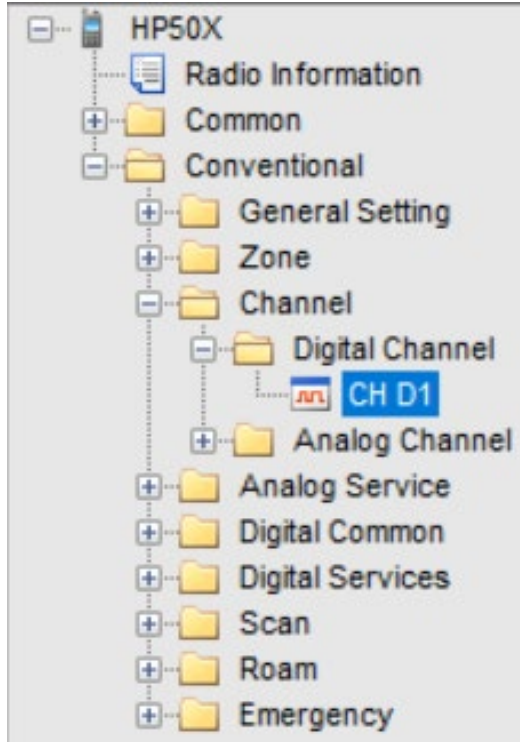
- Define o nível de sinal para Tx

Conventional / Channel



- Com esse recurso ativado, o rádio pode receber uma chamada analógica no canal digital atual sem mudar para o canal analógico

Conventional / Channel



Mix Receive

Mix Receive

CTCSS Tail Revert

Emp De-emp

Scrambler

Compandor

Channel Spacing 12.5(KHz) ▾

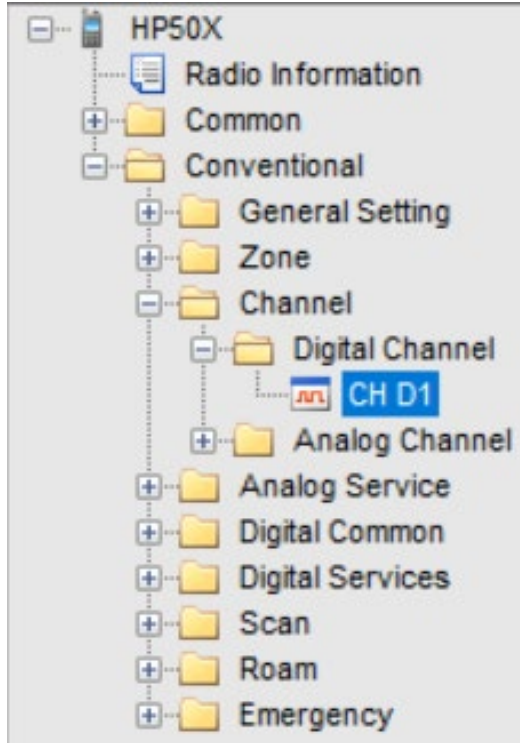
CTCSS Tail Revert Option 180 ▾

PTT Call Mode Digital Call ▾

Rx	Tx
Rx CTCSS/CDCSS Type CTCSS ▾	Tx CTCSS/CDCSS Type CTCSS ▾
CTCSS 67.0 ▾	CTCSS 67.0 ▾
CDCSS 023 ▾	CDCSS 023 ▾
Auto Reset Mode Carrier Override ▾	Tx Admit Always Allow ▾
Auto Reset Time [s] 10 ▾	RSSI Threshold -124 ▾
Carrier Squelch Leve Normal ▾	

- Com este recurso ativado, o rádio reverte a fase do sinal no final da transmissão CTCSS para eliminar o ruído no final da transmissão CTCSS

Conventional / Channel



Mix Receive

Mix Receive

CTCSS Tail Revert

Emp De-emp

Scrambler

Compandor

Channel Spacing 12.5(KHz)

CTCSS Tail Revert Option 180

PTT Call Mode Digital Call

Rx

Rx CTCSS/CDCSS Type CTCSS

CTCSS 67.0

CDCSS 023

Auto Reset Mode Carrier Override

Auto Reset Time [s] 10

Carrier Squelch Level Normal

Tx

Tx CTCSS/CDCSS Type CTCSS

CTCSS 67.0

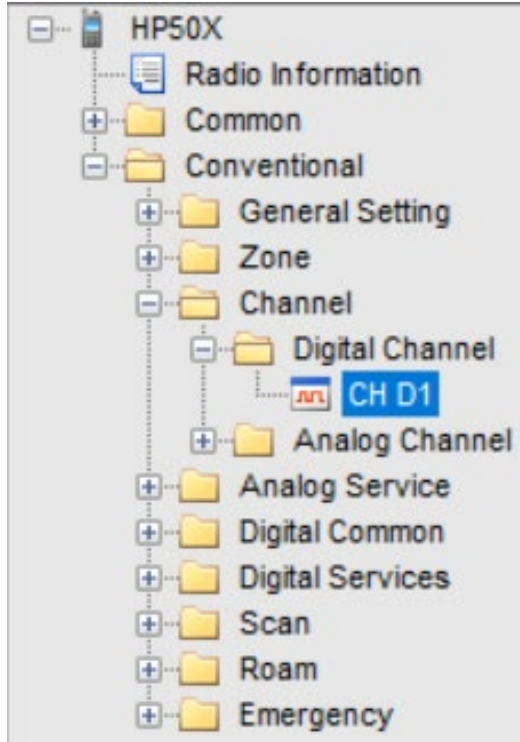
CDCSS 023

Tx Admit Always Allow

RSSI Threshold -124

- O recurso Emp é usado para filtrar o sinal a ser transmitido e o recurso De-emp é usado para filtrar o sinal recebido.

Conventional / Channel



Mix Receive

Mix Receive

CTCSS Tail Revert

Emp De-emp

Scrambler

Compandor

Channel Spacing 12.5(KHz)

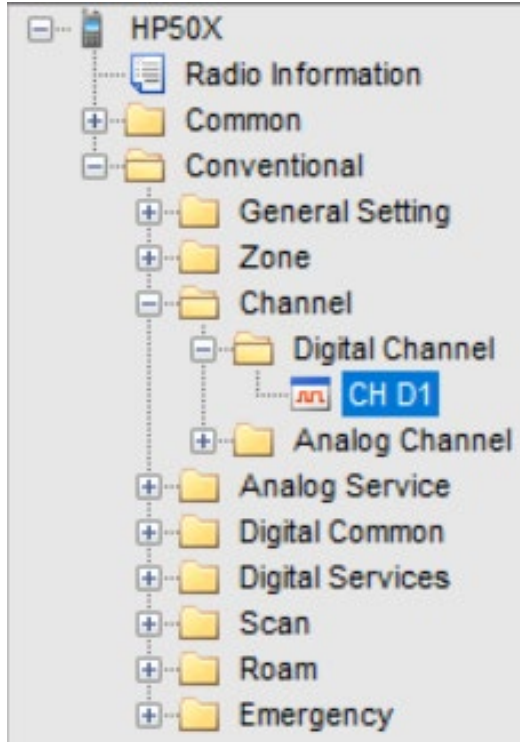
CTCSS Tail Revert Option 180

PTT Call Mode Digital Call

Rx	Tx
Rx CTCSS/CDCSS Type CTCSS	Tx CTCSS/CDCSS Type CTCSS
CTCSS 67.0	CTCSS 67.0
CDCSS 023	CDCSS 023
Auto Reset Mode Carrier Override	Tx Admit Always Allow
Auto Reset Time [s] 10	RSSI Threshold -124
Carrier Squelch Level Normal	

- Aplica criptografia da chamada de voz analógica para aumentar a privacidade da comunicação.

Conventional / Channel



Mix Receive

Mix Receive

CTCSS Tail Revert

Emp De-emp

Scrambler

Comporator

Channel Spacing 12.5(KHz)

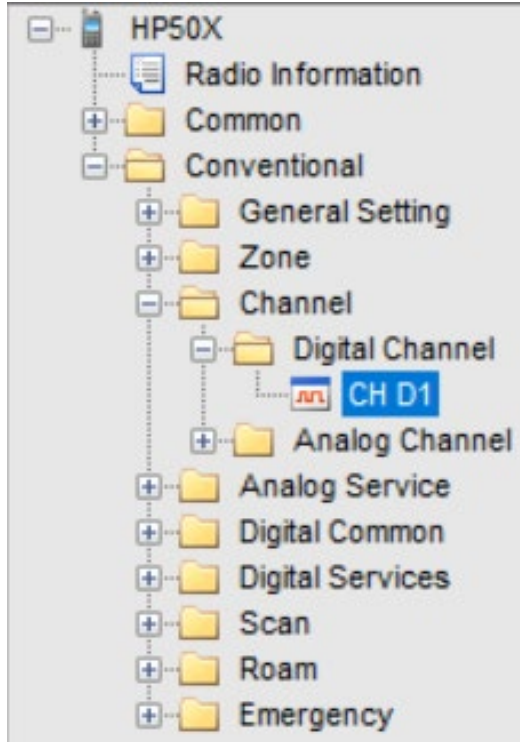
CTCSS Tail Revert Option 180

PTT Call Mode Digital Call

Rx	Tx
Rx CTCSS/CDCSS Type CTCSS	Tx CTCSS/CDCSS Type CTCSS
CTCSS 67.0	CTCSS 67.0
CDCSS 023	CDCSS 023
Auto Reset Mode Carrier Override	Tx Admit Always Allow
Auto Reset Time [s] 10	RSSI Threshold -124
Carrier Squelch Leve Normal	

- Ele consegue a redução do ruído de fundo para melhorar a qualidade da chamada de voz analógica.

Conventional / Channel



Mix Receive

Mix Receive

CTCSS Tail Revert

Emp De-emp

Scrambler

Compandor

Channel Spacing 12.5(KHz)

CTCSS Tail Revert Option 180

PTT Call Mode Digital Call

Rx

Rx CTCSS/CDCSS Type CTCSS

CTCSS 67.0

CDCSS 023

Auto Reset Mode Carrier Override

Auto Reset Time [s] 10

Carrier Squelch Level Normal

Tx

Tx CTCSS/CDCSS Type CTCSS

CTCSS 67.0

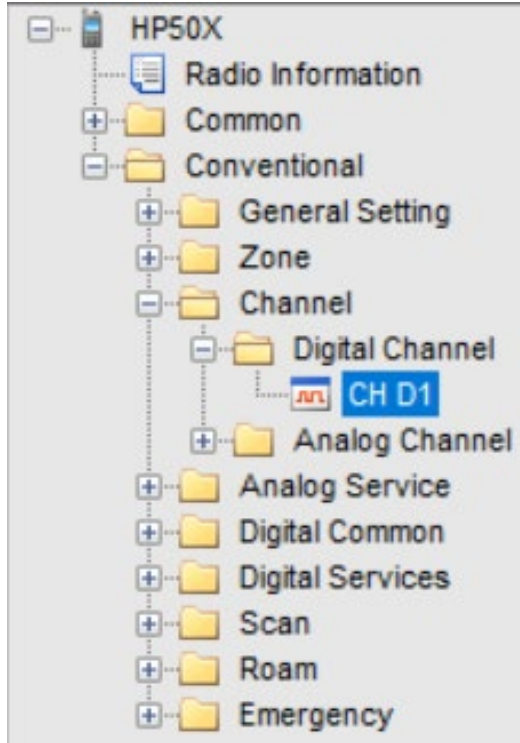
CDCSS 023

Tx Admit Always Allow

RSSI Threshold -124

- Permite definir a largura de banda do canal
- 12,5, 20 ou 25khz

Conventional / Channel



Mix Receive

Mix Receive

CTCSS Tail Revert

Emp De-emp

Scrambler

Compandor

Channel Spacing 12.5(KHz)

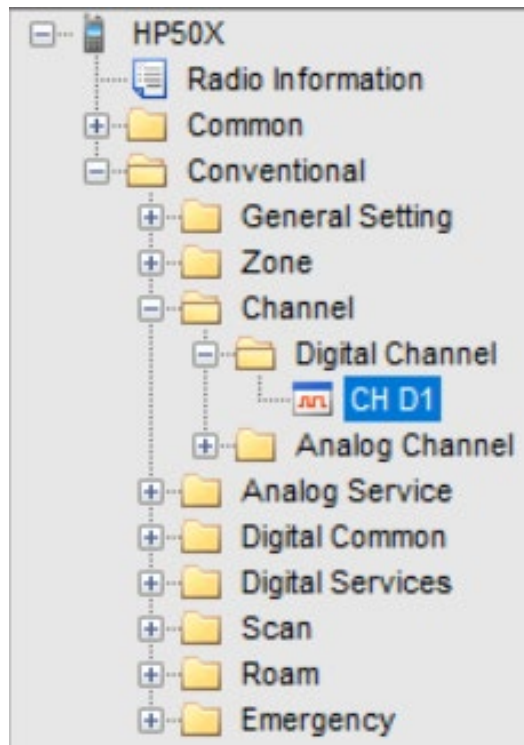
CTCSS Tail Revert Option 180

PTT Call Mode Digital Call

Rx	Tx
Rx CTCSS/CDCSS Type CTCSS	Tx CTCSS/CDCSS Type CTCSS
CTCSS 67.0	CTCSS 67.0
CDCSS 023	CDCSS 023
Auto Reset Mode Carrier Override	Tx Admit Always Allow
Auto Reset Time [s] 10	RSSI Threshold -124
Carrier Squelch Level Normal	

- CTCSS Tail Revert ativado, o rádio reverterá a fase do sinal no final da transmissão CTCSS para eliminar o ruído no final da transmissão CTCSS.

Conventional / Channel



Mix Receive

Mix Receive

CTCSS Tail Revert

Emp De-emp

Scrambler

Compandor

Channel Spacing 12.5(KHz)

CTCSS Tail Revert Option 180

PTT Call Mode Digital Call

Rx

Rx CTCSS/CDCSS Type CTCSS

CTCSS 67.0

CDCSS 023

Auto Reset Mode Carrier Override

Auto Reset Time [s] 10

Carrier Squelch Level Normal

Tx

Tx CTCSS/CDCSS Type CTCSS

CTCSS 67.0

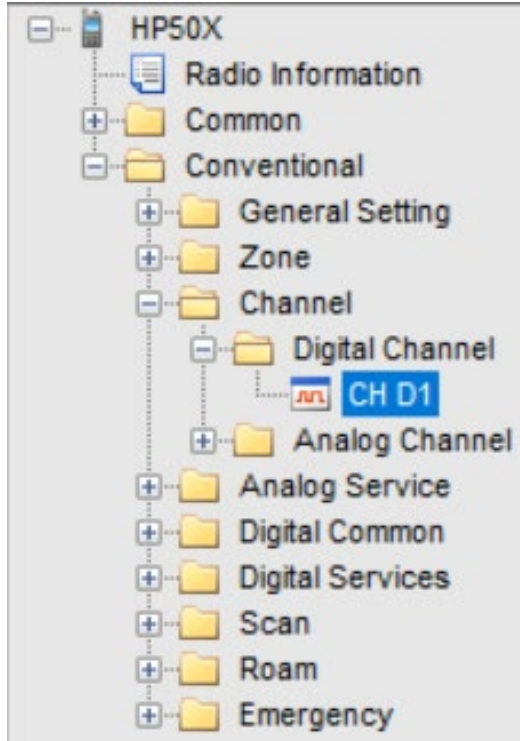
CDCSS 023

Tx Admit Always Allow

RSSI Threshold -124

- Define o modo de chamada quando o usuário pressiona a tecla PTT para iniciar uma chamada.

Conventional / Channel



Mix Receive

Mix Receive

CTCSS Tail Revert

Emp De-emp

Scrambler

Compandor

Channel Spacing 12.5(KHz)

CTCSS Tail Revert Option 180

PTT Call Mode Digital Call

Rx

Rx CTCSS/CDCSS Type CTCSS

CTCSS 67.0

CDCSS 023

Tx

Tx CTCSS/CDCSS Type CTCSS

CTCSS 67.0

CDCSS 023

Auto Reset Mode Carrier Override

Auto Reset Time [s] 10

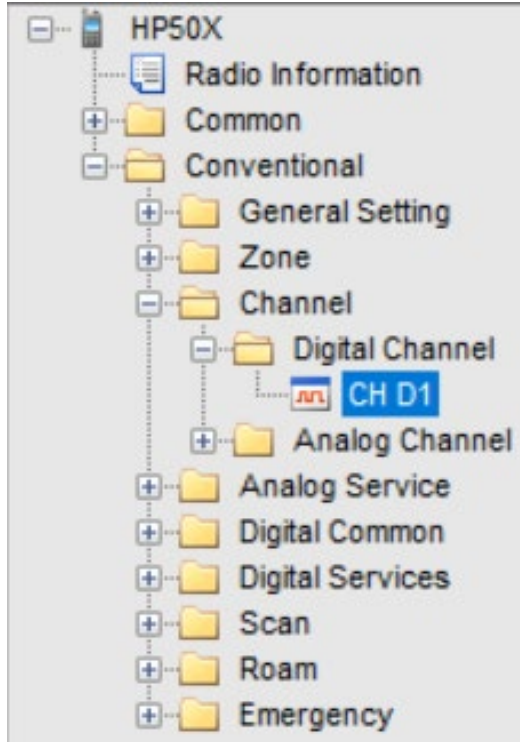
Carrier Squelch Level Normal

Tx Admit Always Allow

RSSI Threshold -124

- Definir o tipo de subtom
- Selecionar o subtom

Conventional / Channel



Mix Receive

Mix Receive

CTCSS Tail Revert

Emp De-emp

Scrambler

Compandor

Channel Spacing 12.5(KHz) ▾

CTCSS Tail Revert Option 180 ▾

PTT Call Mode Digital Call ▾

Rx

Rx CTCSS/CDCSS Type CTCSS ▾

CTCSS 67.0 ▾

CDCSS 023 ▾

Auto Reset Mode Carrier Override ▾

Auto Reset Time [s] 10 ▾

Carrier Squelch Level Normal ▾

Tx

Tx CTCSS/CDCSS Type CTCSS ▾

CTCSS 67.0 ▾

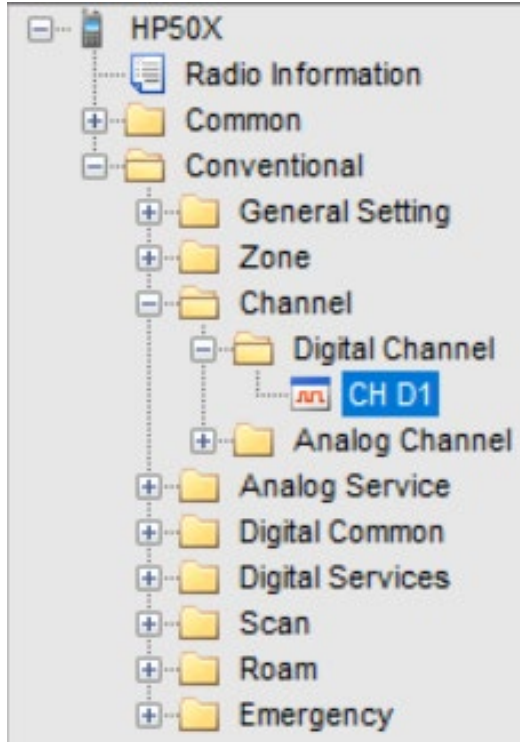
CDCSS 023 ▾

Tx Admit Always Allow ▾

RSSI Threshold -124 ▾

- O temporizador de reinicialização automática define qual será o critério para silenciar a portadora

Conventional / Channel



Mix Receive

Mix Receive

CTCSS Tail Revert

Emp De-emp

Scrambler

Compandor

Channel Spacing 12.5(KHz)

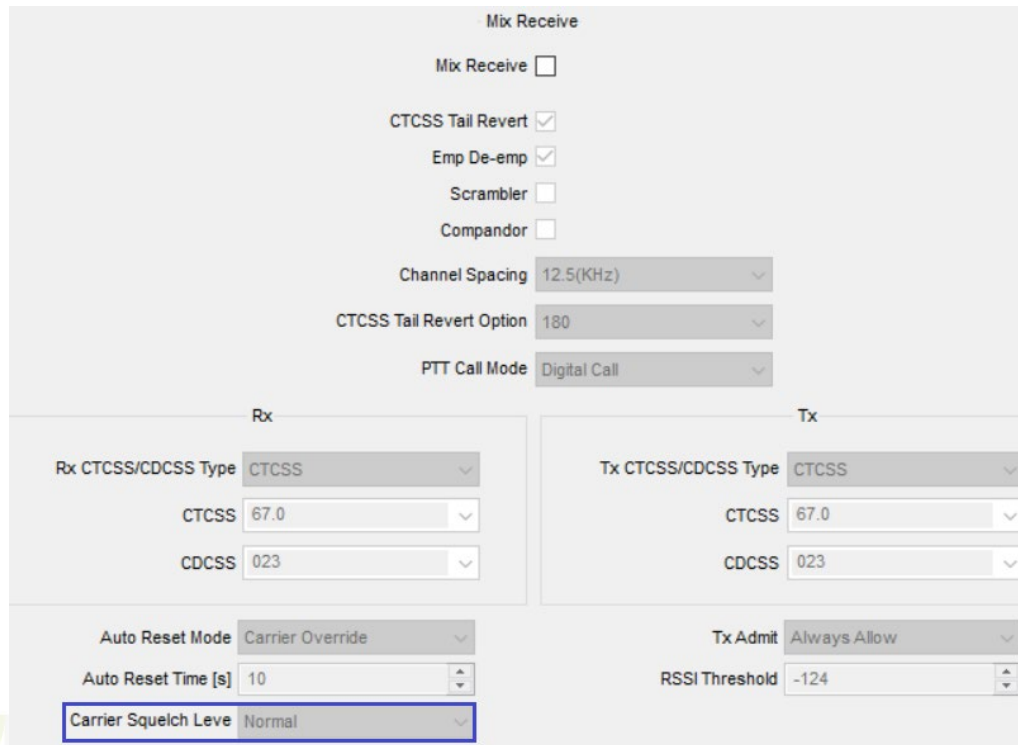
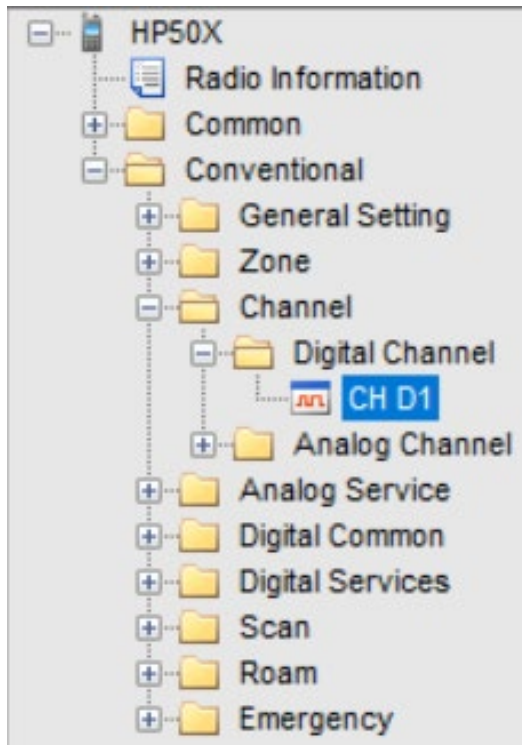
CTCSS Tail Revert Option 180

PTT Call Mode Digital Call

Rx	Tx
Rx CTCSS/CDCSS Type CTCSS	Tx CTCSS/CDCSS Type CTCSS
CTCSS 67.0	CTCSS 67.0
CDCSS 023	CDCSS 023
Auto Reset Mode Carrier Override	Tx Admit Always Allow
Auto Reset Time [s] 10	RSSI Threshold -124
Carrier Squelch Level Normal	

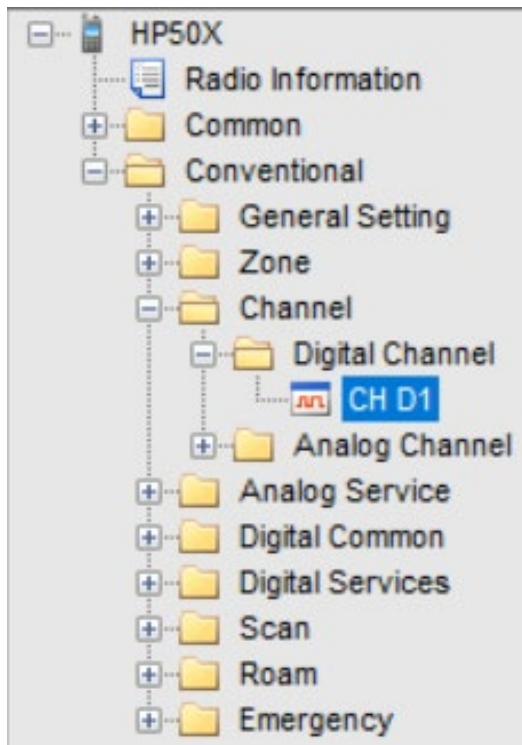
- Define o tempo que a portadora vai ficar no ar

Conventional / Channel



- Define que o Carrier Squelch Level para limitar sinais de áudio para reduzir o ruído de fundo.

Conventional / Channel



Mix Receive

Mix Receive

CTCSS Tail Revert

Emp De-emp

Scrambler

Compandor

Channel Spacing 12.5(KHz) ▾

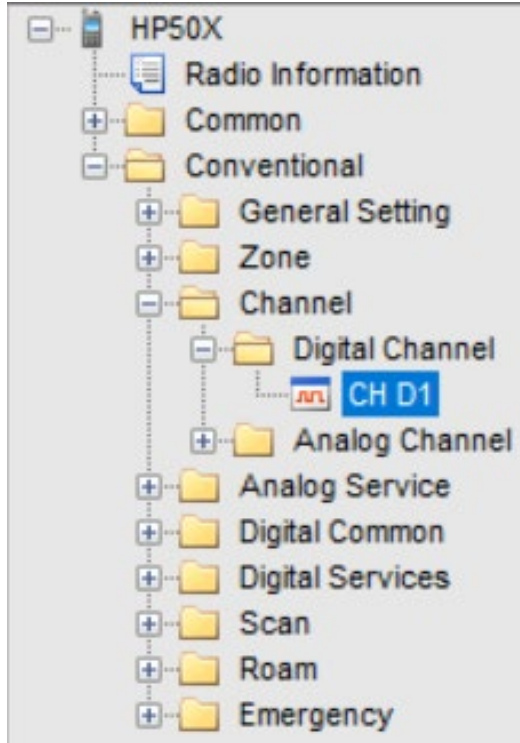
CTCSS Tail Revert Option 180 ▾

PTT Call Mode Digital Call ▾

Rx	Tx
Rx CTCSS/CDCSS Type CTCSS ▾	Tx CTCSS/CDCSS Type CTCSS ▾
CTCSS 67.0 ▾	CTCSS 67.0 ▾
CDCSS 023 ▾	CDCSS 023 ▾
Auto Reset Mode Carrier Override ▾	Tx Admit Always Allow ▾
Auto Reset Time [s] 10 ▾	RSSI Threshold -124 ▾
Carrier Squelch Level Normal ▾	

- Define o critério de admissão para Tx
- Sempre, Canal Livre, SubTom

Conventional / Channel



Mix Receive

Mix Receive

CTCSS Tail Revert

Emp De-emp

Scrambler

Compandor

Channel Spacing 12.5(KHz)

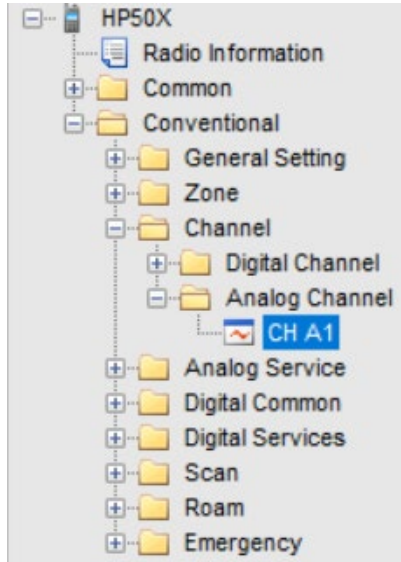
CTCSS Tail Revert Option 180

PTT Call Mode Digital Call

Rx	Tx
Rx CTCSS/CDCSS Type CTCSS	Tx CTCSS/CDCSS Type CTCSS
CTCSS 67.0	CTCSS 67.0
CDCSS 023	CDCSS 023
Auto Reset Mode Carrier Override	Tx Admit Always Allow
Auto Reset Time [s] 10	RSSI Threshold -124
Carrier Squelch Level Normal	

- Define o nível de RSSI para Tx

Conventional / Channel



Channel Alias CH A1 (The actual display may change, See the)

Channel Spacing [KHz] 12.5

CTCSS Tail Revert Option [Radians] 180

Signaling Type None

Personality List Personality 1

Scan List Scan List 1

TX To RX Delay Time [s] 0.0

Auto Start Scan

Talk Around

Emp De-emp

Scrambler

Rx Only

VOX

Option Board

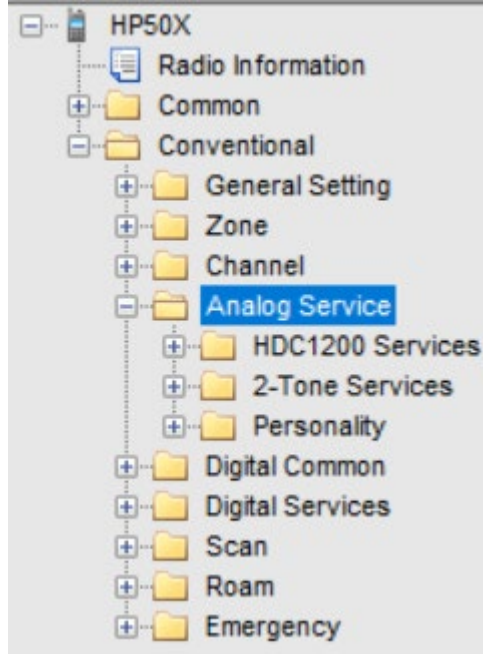
Compandor

CTCSS Tail Revert

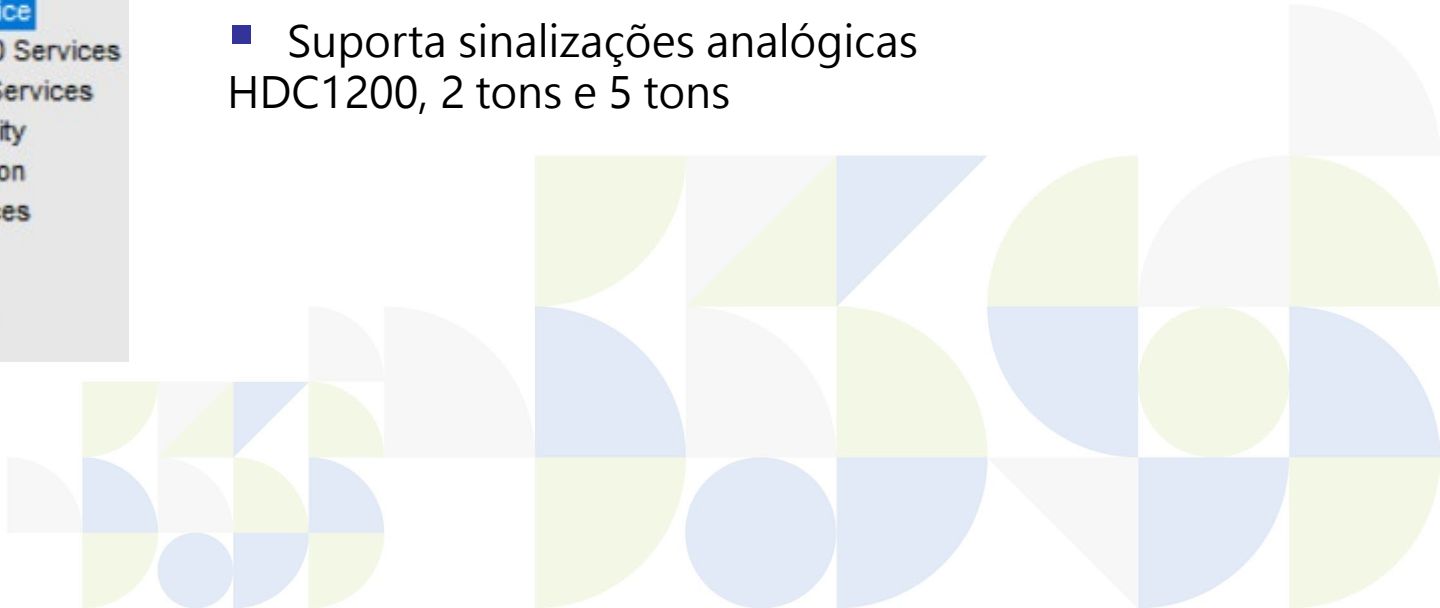
Rx	Offset [MHz]	Tx
Receive Frequency [MHz] 403.000000	0.000000	Transmit Frequency [MHz] 403.000000
Rx CTCSS/CDCSS Type None	Copy	Tx CTCSS/CDCSS Type CTCSS
RX CTCSS Frequency [Hz] 67.0		TX CTCSS Frequency [Hz] 67.0
RX CDCSS Code 023		TX CDCSS Code 023

- Configurações similares a opção Mix Rx

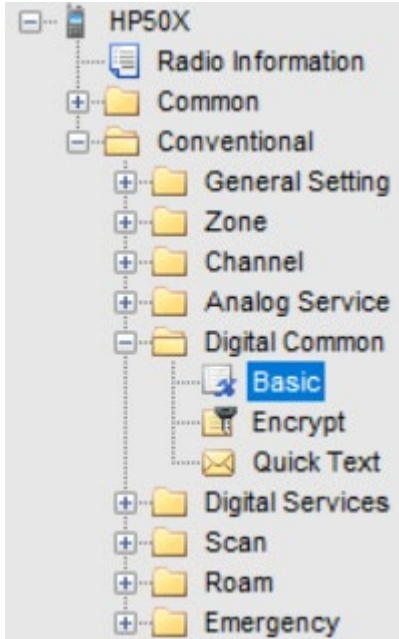
Conventional / Analog Service



- Suporta sinalizações analógicas
HDC1200, 2 tons e 5 tons



Conventional / Digital Common

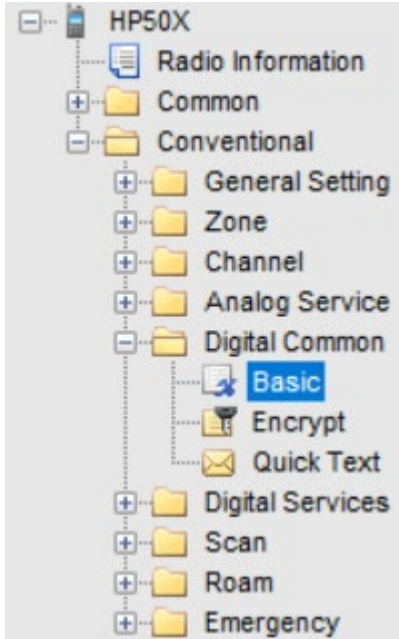


Basic Setting

Radio ID [Digital]	1
Increase After Written	<input type="checkbox"/>
Province NP	328
Police NP	804
Tx Preamble Duration [ms]	960
Group Call Hang Time [s]	3.0
Private Call Hang Time [s]	3.0
Sync Wakeup Time [ms]	360
Wakeup Retries	2
Wait Ack Delay [ms]	0
Alert Call Talkback	<input checked="" type="checkbox"/>
Weak Signal Stop Tx Threshold	None
Weak Signal Stop Tx Detect Time	2160

- Define o ID individual do radio
- Opção de 16776415 de IDs

Conventional / Digital Common

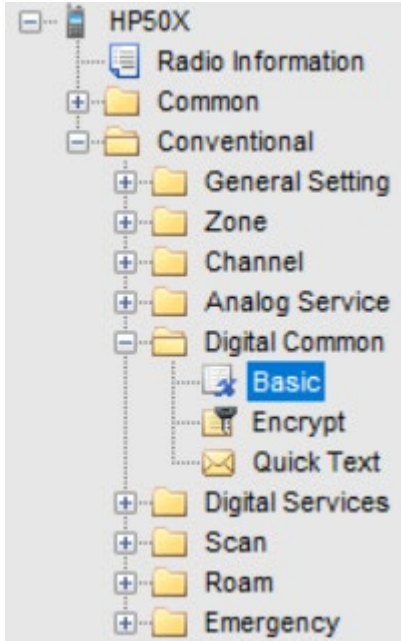


Basic Setting

Radio ID [Digital]	1
Increase After Written	<input type="checkbox"/>
Province NP	328
Police NP	804
Tx Preamble Duration [ms]	960
Group Call Hang Time [s]	3.0
Private Call Hang Time [s]	3.0
Sync Wakeup Time [ms]	360
Wakeup Retries	2
Wait Ack Delay [ms]	0
Alert Call Talkback	<input checked="" type="checkbox"/>
Weak Signal Stop Tx Threshold	None
Weak Signal Stop Tx Detect Time	2160

- Acrescenta +1 no ID gravado anterior

Conventional / Digital Common

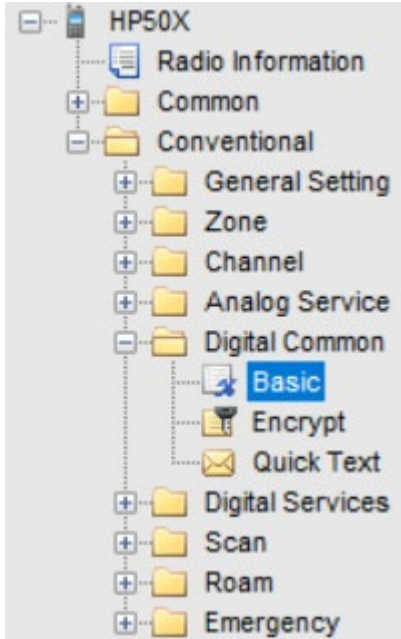


Basic Setting

Radio ID [Digital]	1
Increase After Written	<input type="checkbox"/>
Province NP	328
Police NP	804
Tx Preamble Duration [ms]	960
Group Call Hang Time [s]	3.0
Private Call Hang Time [s]	3.0
Sync Wakeup Time [ms]	360
Wakeup Retries	2
Wait Ack Delay [ms]	0
Alert Call Talkback	<input checked="" type="checkbox"/>
Weak Signal Stop Tx Threshold	None
Weak Signal Stop Tx Detect Time	2160

- Preâmbulo é uma cadeia de bits adicionada antes de uma mensagem de dados ou mensagem de controle (mensagem de texto, chamada privada, etc.) antes da transmissão.
- Este preâmbulo prolonga a mensagem para aumentar as chances da mensagem ser detectada pelo rádio receptor.

Conventional / Digital Common

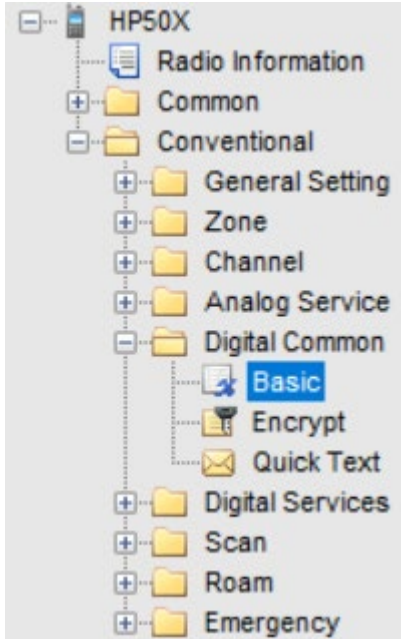


Basic Setting

Radio ID [Digital]	1
Increase After Written	<input type="checkbox"/>
Province NP	328
Police NP	804
Tx Preamble Duration [ms]	960
Group Call Hang Time [s]	3.0
Private Call Hang Time [s]	3.0
Sync Wakeup Time [ms]	360
Wakeup Retries	2
Wait Ack Delay [ms]	0
Alert Call Talkback	<input checked="" type="checkbox"/>
Weak Signal Stop Tx Threshold	None
Weak Signal Stop Tx Detect Time	2160

- Esta opção permite que os usuários definam a duração em que o rádio permanece em status de chamada após a transmissão de uma chamada.

Conventional / Digital Common

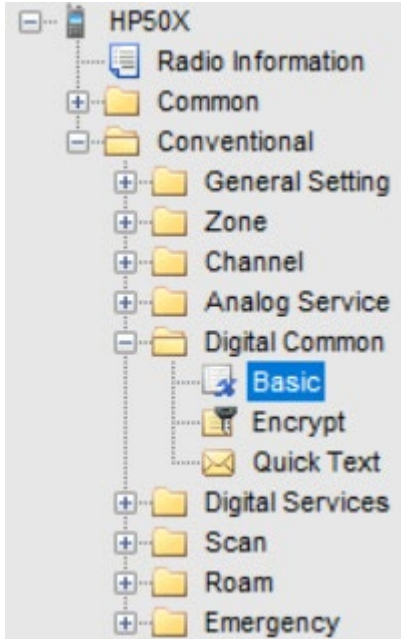


Basic Setting

Radio ID [Digital]	1
Increase After Written	<input type="checkbox"/>
Province NP	328
Police NP	804
Tx Preamble Duration [ms]	960
Group Call Hang Time [s]	3.0
Private Call Hang Time [s]	3.0
Sync Wakeup Time [ms]	360
Wakeup Retries	2
Wait Ack Delay [ms]	0
Alert Call Talkback	<input checked="" type="checkbox"/>
Weak Signal Stop Tx Threshold	None
Weak Signal Stop Tx Detect Time	2160

- Define a configuração do temporizador entre o rádio enviar um comando para reativar o repetidor e receber um sinal de sincronização do repetidor.

Conventional / Digital Common

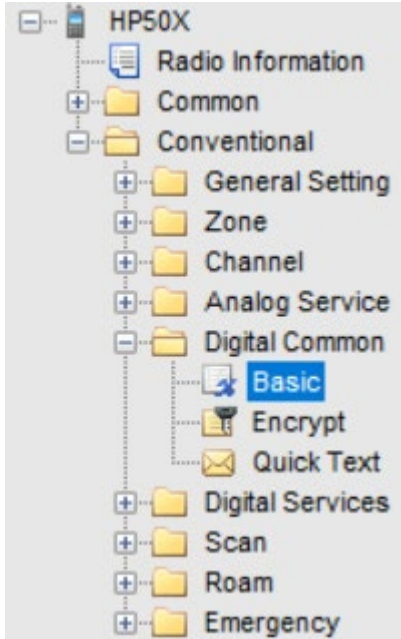


Basic Setting

Radio ID [Digital]	1
Increase After Written	<input type="checkbox"/>
Province NP	328
Police NP	804
Tx Preamble Duration [ms]	960
Group Call Hang Time [s]	3.0
Private Call Hang Time [s]	3.0
Sync Wakeup Time [ms]	360
Wakeup Retries	2
Wait Ack Delay [ms]	0
Alert Call Talkback	<input checked="" type="checkbox"/>
Weak Signal Stop Tx Threshold	None
Weak Signal Stop Tx Detect Time	2160

- Define o número de tentativas que o rádio deve fazer antes de indicar que o repetidor não foi reativado.

Conventional / Digital Common

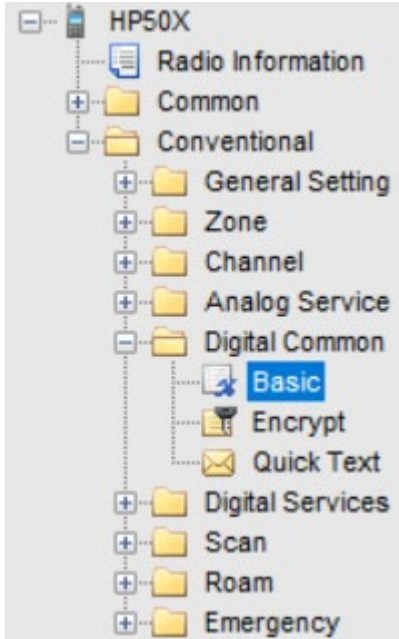


Basic Setting

Radio ID [Digital]	1
Increase After Written	<input type="checkbox"/>
Province NP	328
Police NP	804
Tx Preamble Duration [ms]	960
Group Call Hang Time [s]	3.0
Private Call Hang Time [s]	3.0
Sync Wakeup Time [ms]	360
Wakeup Retries	2
Wait Ack Delay [ms]	0
Alert Call Talkback	<input checked="" type="checkbox"/>
Weak Signal Stop Tx Threshold	None
Weak Signal Stop Tx Detect Time	2160

- No modo repetidor, esta opção define o período de tempo adicional para o usuário aguardar um ACK, ao enviar uma solicitação de chamada privada confirmada, qualquer dado ou sinalização.

Conventional / Digital Common

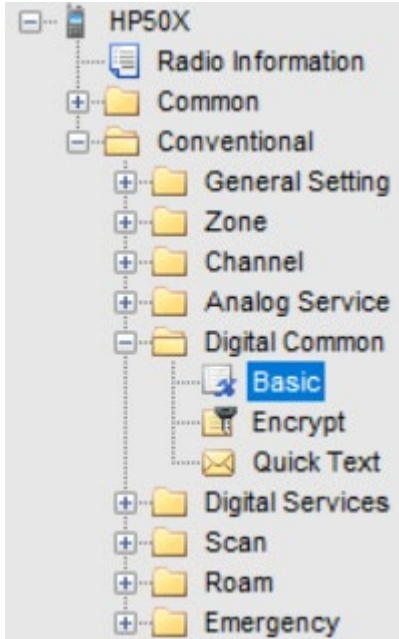


Basic Setting

Radio ID [Digital]	1
Increase After Written	<input type="checkbox"/>
Province NP	328
Police NP	804
Tx Preamble Duration [ms]	960
Group Call Hang Time [s]	3.0
Private Call Hang Time [s]	3.0
Sync Wakeup Time [ms]	360
Wakeup Retries	2
Wait Ack Delay [ms]	0
Alert Call Talkback	<input checked="" type="checkbox"/>
Weak Signal Stop Tx Threshold	None
Weak Signal Stop Tx Detect Time	2160

- Define se o rádio pode chamar de volta diretamente mantendo pressionado a tecla PTT quando um tom de chamada de alerta é tocado.

Conventional / Digital Common

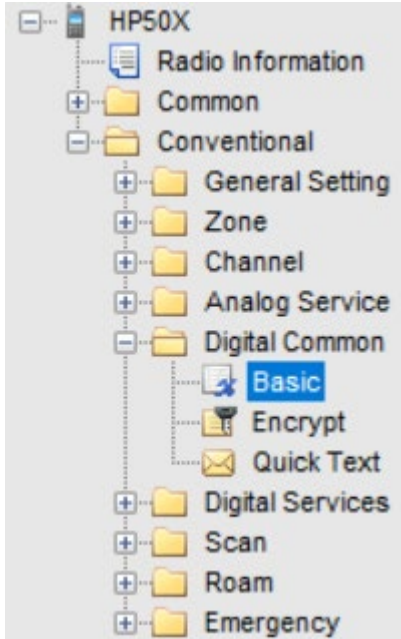


Basic Setting

Radio ID [Digital]	1
Increase After Written	<input type="checkbox"/>
Province NP	328
Police NP	804
Tx Preamble Duration [ms]	960
Group Call Hang Time [s]	3.0
Private Call Hang Time [s]	3.0
Sync Wakeup Time [ms]	360
Wakeup Retries	2
Wait Ack Delay [ms]	0
Alert Call Talkback	<input checked="" type="checkbox"/>
Weak Signal Stop Tx Threshold	None
Weak Signal Stop Tx Detect Time	2160

- Durante a transmissão de voz, o rádio interrompe a transmissão se detectar que o RSSI do repetidor é inferior a esse limite.

Conventional / Digital Common

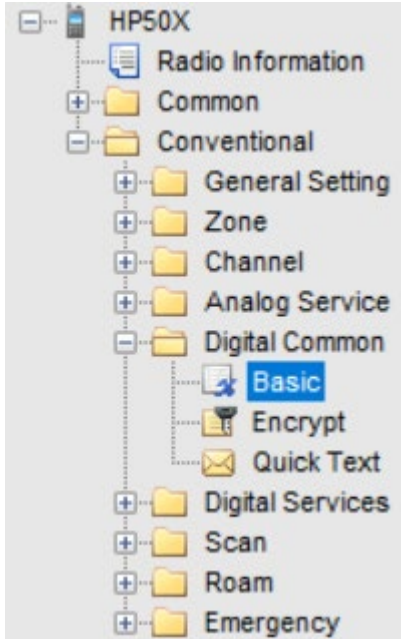


Basic Setting

Radio ID [Digital]	1
Increase After Written	<input type="checkbox"/>
Province NP	328
Police NP	804
Tx Preamble Duration [ms]	960
Group Call Hang Time [s]	3.0
Private Call Hang Time [s]	3.0
Sync Wakeup Time [ms]	360
Wakeup Retries	2
Wait Ack Delay [ms]	0
Alert Call Talkback	<input checked="" type="checkbox"/>
Weak Signal Stop Tx Threshold	None
Weak Signal Stop Tx Detect Time	2160

- Limite de tempo de Transmissão de sinal fraco

Conventional / Digital Common



Encode

- All Call Encode
- Private Call Encode
- Group Call Encode

Decode

- Radio Disable/Enable Decode
- Remote Monitor Decode
- Emergency Remote Monitor Decode
- Alert Call Decode
- Radio Check Decode
- All Call Decode

Authentication

Authentication Key Source: CPS

- Radio Disable/Enable Authentication
- Remote Monitor Authentication
- Air Interface Authentication Key:

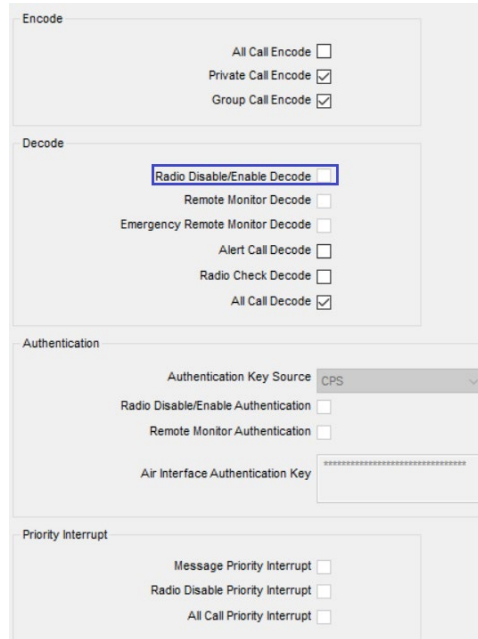
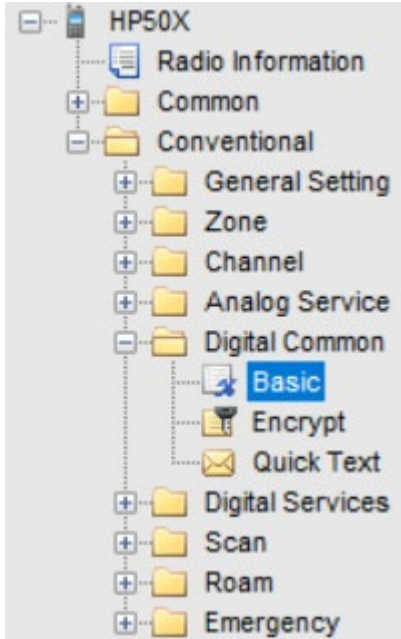
Priority Interrupt

- Message Priority Interrupt
- Radio Disable Priority Interrupt
- All Call Priority Interrupt

- Chamada para Todos
- Chamada Privada
- Chamada de Grupo

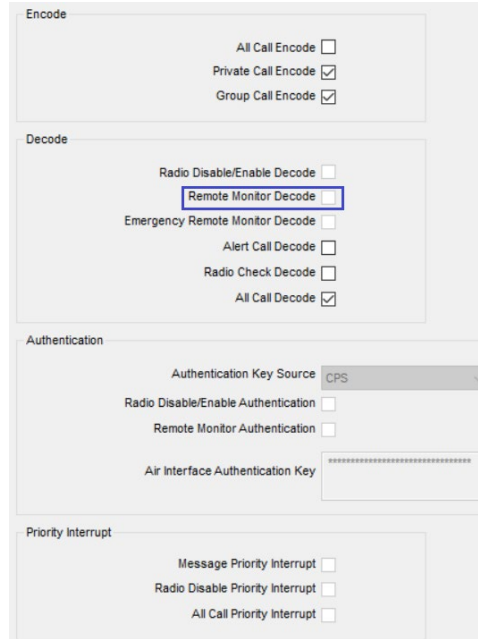
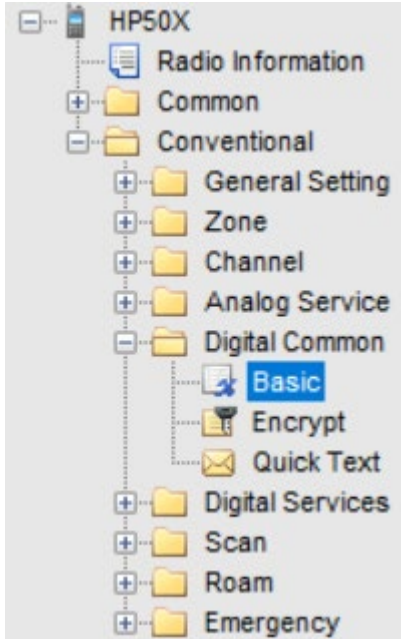


Conventional / Digital Common

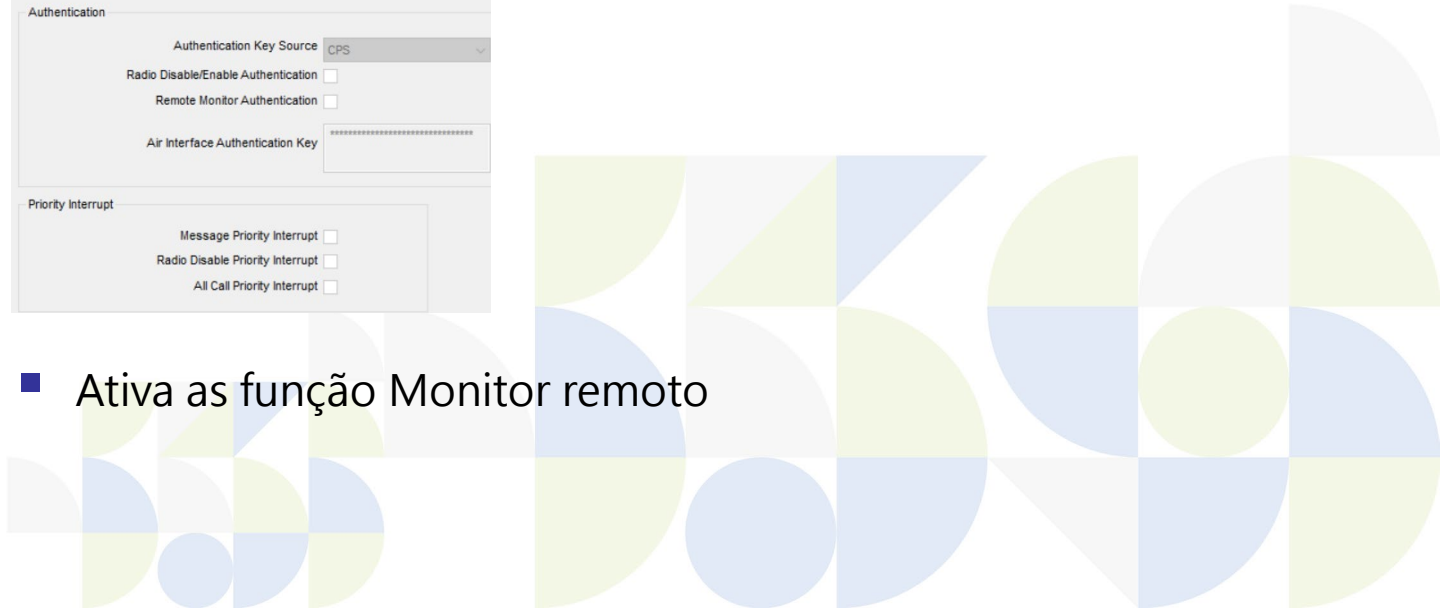


- Ativa as funções Habilitar rádio e Desabilitar

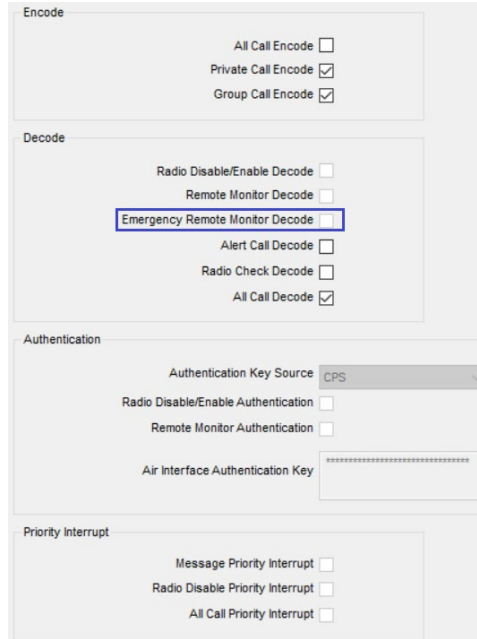
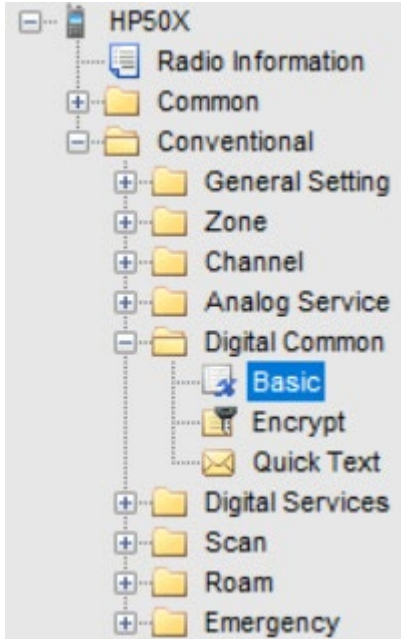
Conventional / Digital Common



- Ativa as função Monitor remoto

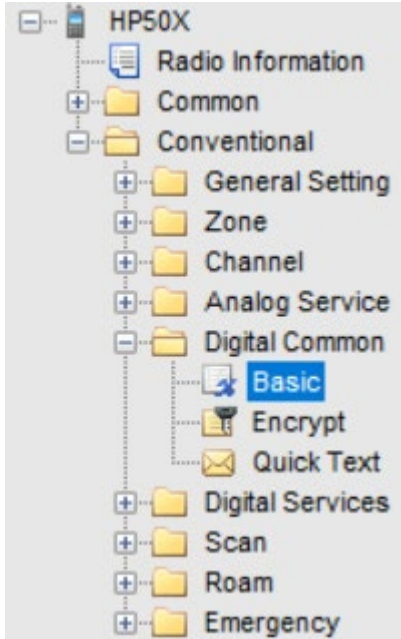


Conventional / Digital Common



- Ativa as função Monitor remoto de Emergência

Conventional / Digital Common



Encode

All Call Encode

Private Call Encode

Group Call Encode

Decode

Radio Disable/Enable Decode

Remote Monitor Decode

Emergency Remote Monitor Decode

Alert Call Decode

Radio Check Decode

All Call Decode

Authentication

Authentication Key Source CPS

Radio Disable/Enable Authentication

Remote Monitor Authentication

Air Interface Authentication Key

Priority Interrupt

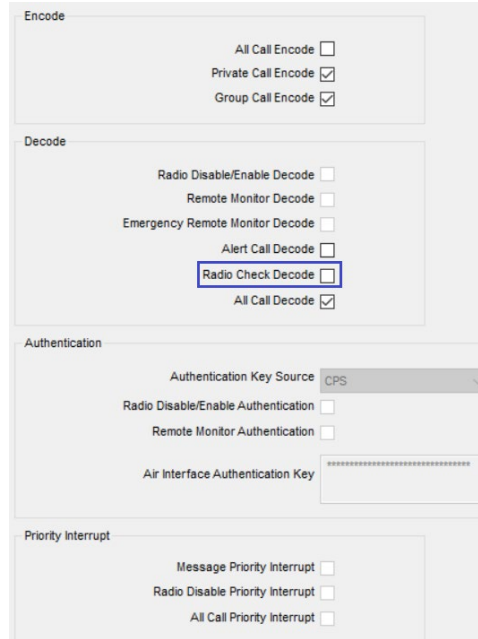
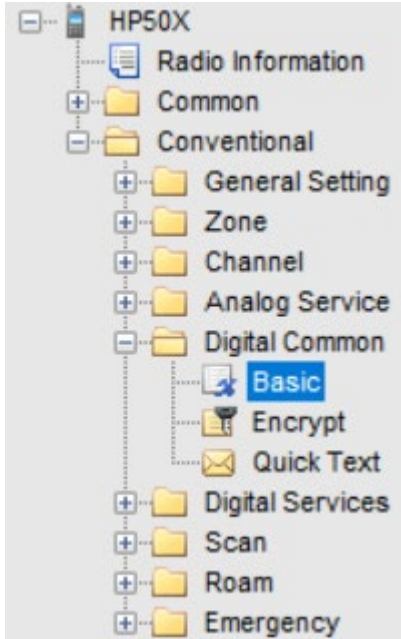
Message Priority Interrupt

Radio Disable Priority Interrupt

All Call Priority Interrupt

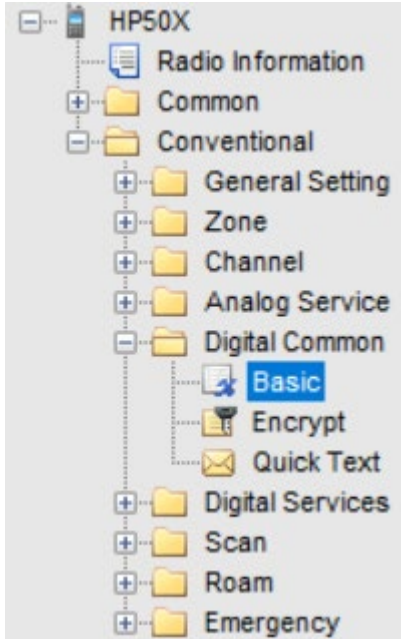
- Ativa as função Chamada de Alerta

Conventional / Digital Common



- Ativa as função Verificar rádio

Conventional / Digital Common



Encode

- All Call Encode
- Private Call Encode
- Group Call Encode

Decode

- Radio Disable/Enable Decode
- Remote Monitor Decode
- Emergency Remote Monitor Decode
- Alert Call Decode
- Radio Check Decode
- All Call Decode

Authentication

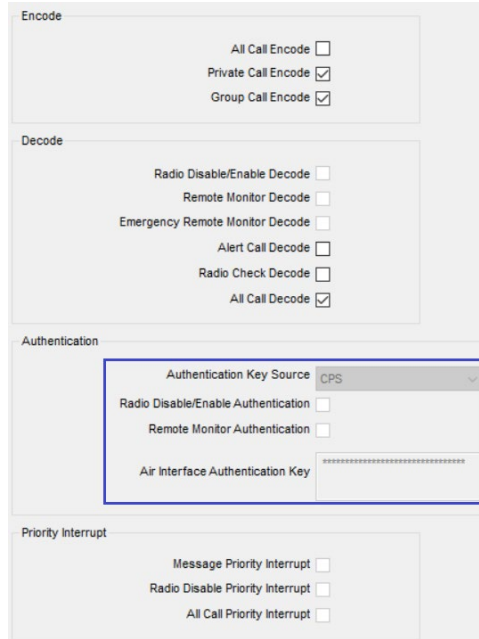
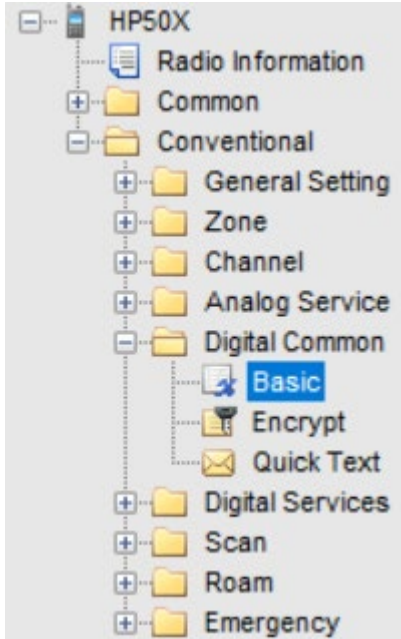
- Authentication Key Source: CPS
- Radio Disable/Enable Authentication
- Remote Monitor Authentication
- Air Interface Authentication Key:

Priority Interrupt

- Message Priority Interrupt
- Radio Disable Priority Interrupt
- All Call Priority Interrupt

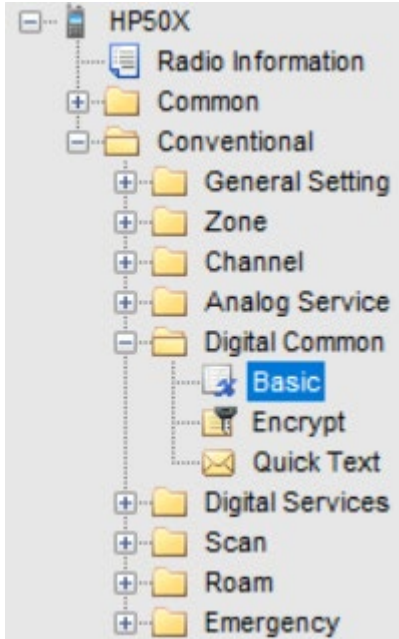
- Ativa as função Chamada para Todos

Conventional / Digital Common



- Ativa a Autenticação para as funções Habilitar/Desabilitar e Monitor Remoto

Conventional / Digital Common



Encode

- All Call Encode
- Private Call Encode
- Group Call Encode

Decode

- Radio Disable/Enable Decode
- Remote Monitor Decode
- Emergency Remote Monitor Decode
- Alert Call Decode
- Radio Check Decode
- All Call Decode

Authentication

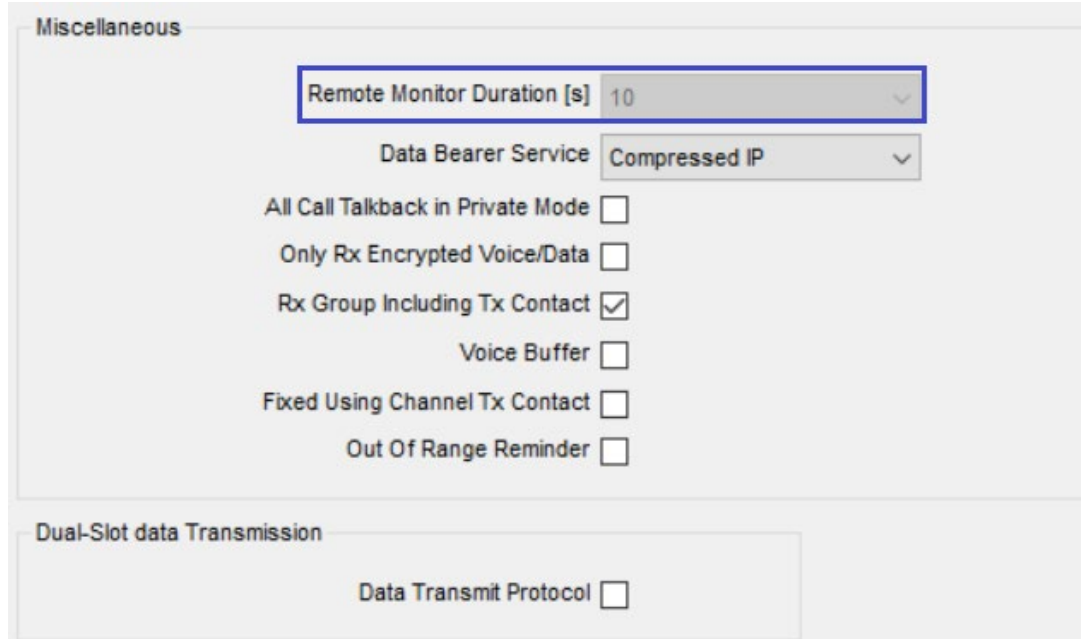
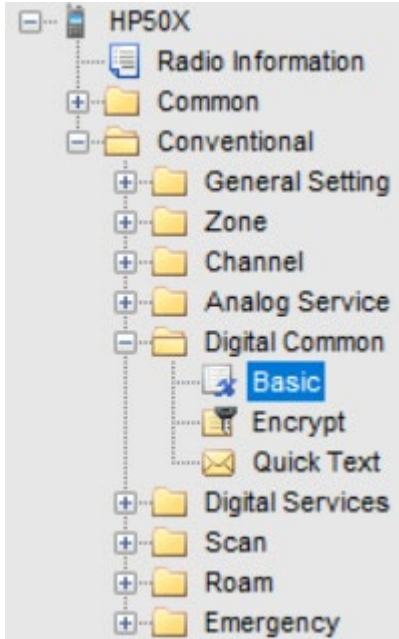
- Authentication Key Source: CPS
- Radio Disable/Enable Authentication
- Remote Monitor Authentication
- Air Interface Authentication Key:

Priority Interrupt

- Message Priority Interrupt
- Radio Disable Priority Interrupt
- All Call Priority Interrupt

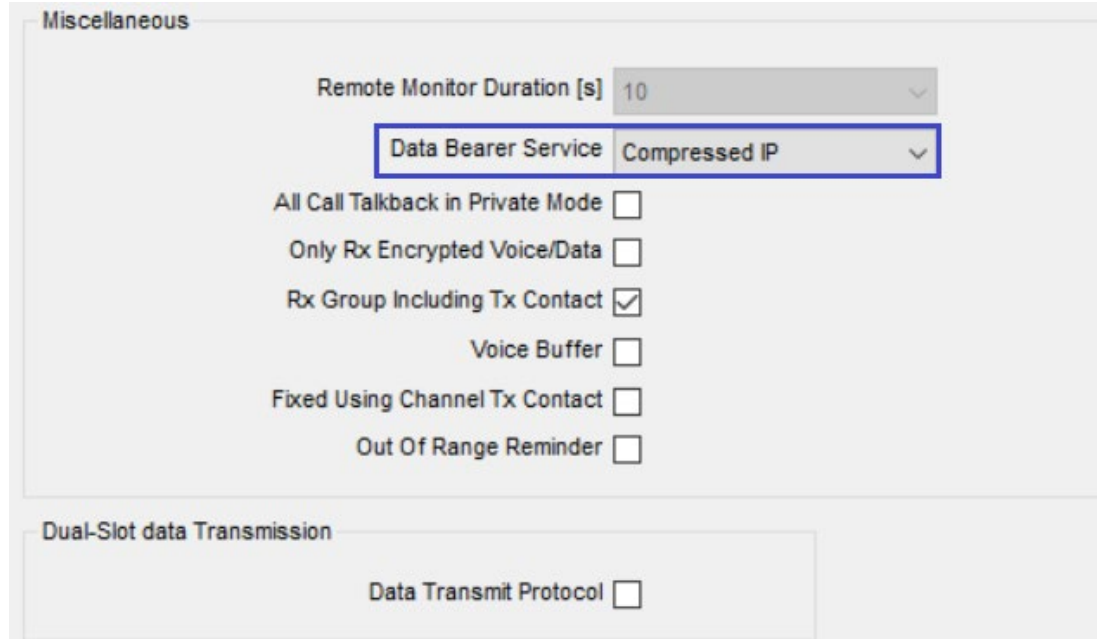
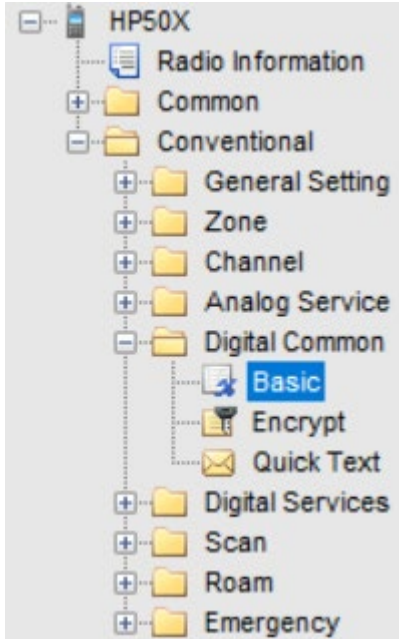
- Ativa a Prioridade de Interrupção para Mensagem de Texto, Desabilitar o radio e a Chamada para todos.

Conventional / Digital Common



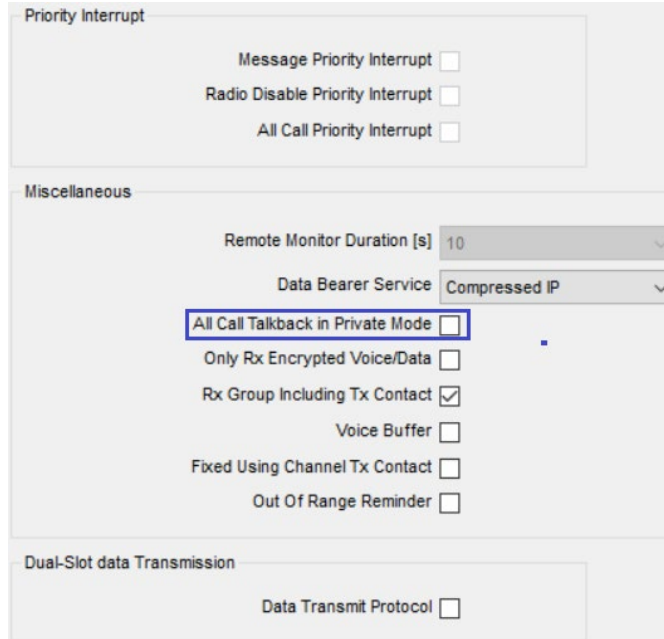
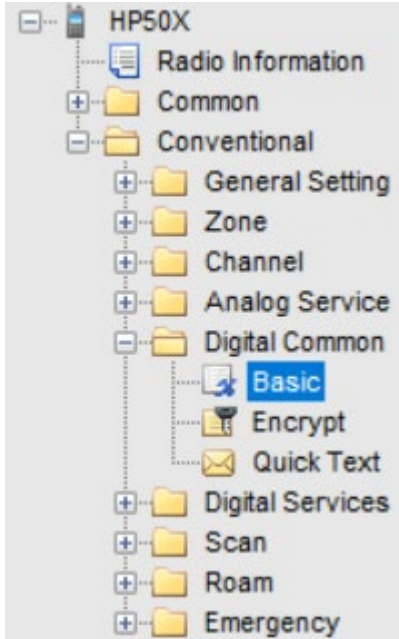
- Define o tempo de duração do Monitor Remoto

Conventional / Digital Common



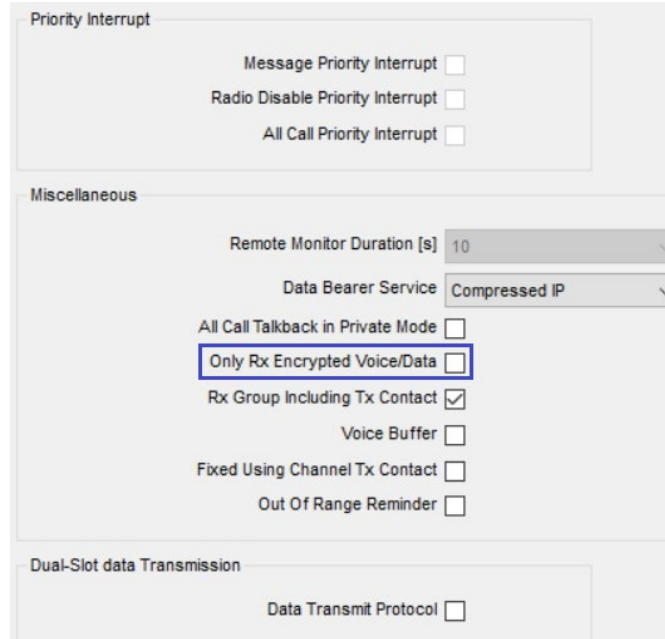
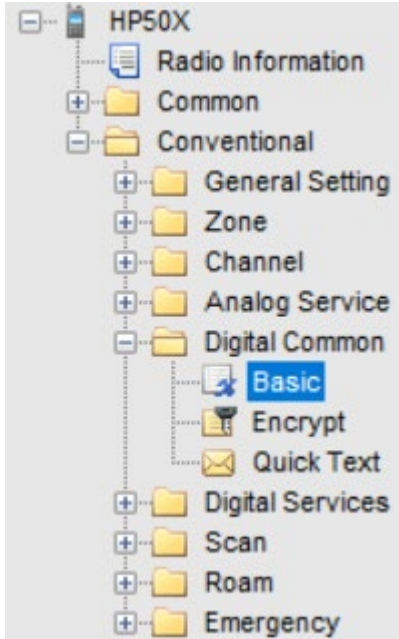
- Este parâmetro é usado para definir o método de transmissão de dados para os serviços como Mensagem, Texto Rápido, GPS e Ordem de Serviço.
- **Compressed IP** – Compatível com outros modelos
- **Dados Definidos**: Usará o método de transmissão de serviço de dados definido por si mesmo.

Conventional / Digital Common



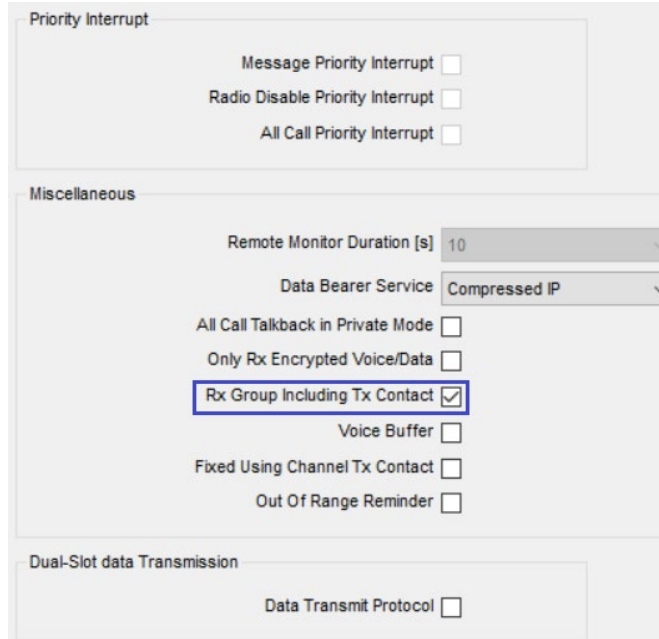
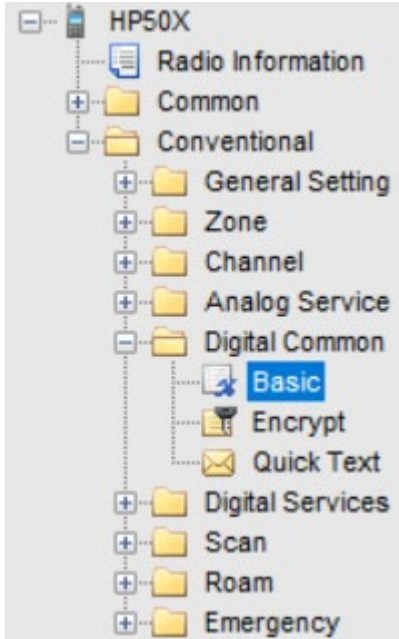
- Define se o usuário pode responder a Chamada para todos e se tiver uma chamada para todos perdida é possível chamar quem iniciou a chamada para todos

Conventional / Digital Common



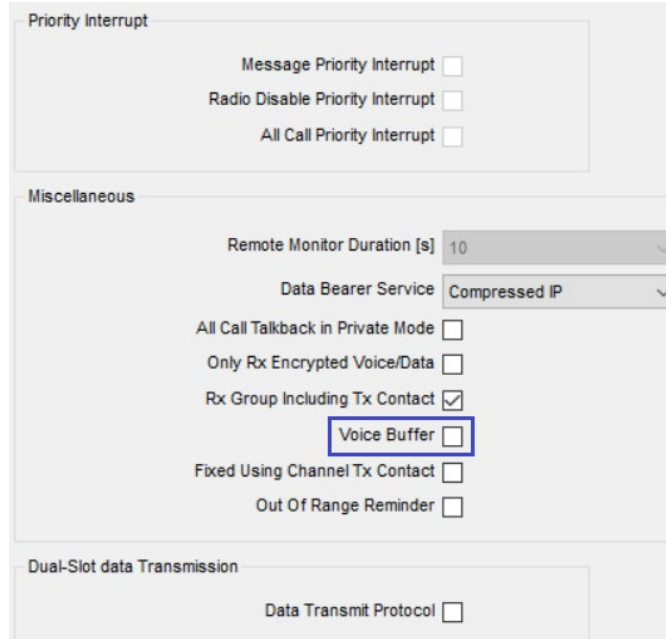
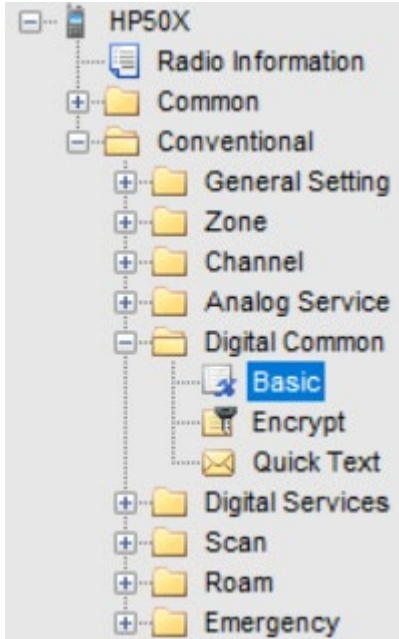
- Define se o rádio receberá apenas a voz/dados criptografados durante uma chamada.

Conventional / Digital Common



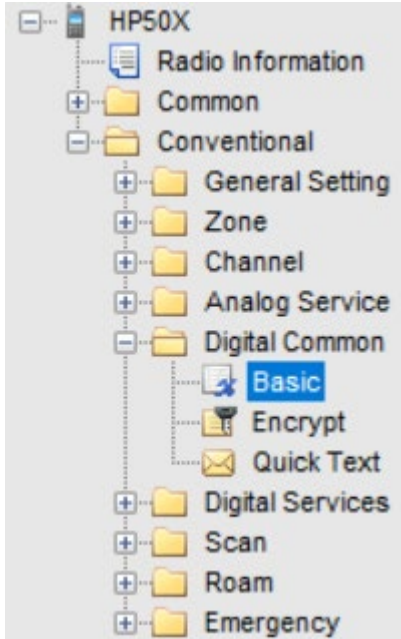
- Define se o rádio incluirá o contato Tx na lista de grupos Rx automaticamente.

Conventional / Digital Common



- Com esse recurso ativado, quando o usuário pressiona e segura a tecla PTT, o rádio começa a capturar a voz antes da configuração da chamada.

Conventional / Digital Common



Priority Interrupt

Message Priority Interrupt

Radio Disable Priority Interrupt

All Call Priority Interrupt

Miscellaneous

Remote Monitor Duration [s] 10

Data Bearer Service Compressed IP

All Call Talkback in Private Mode

Only Rx Encrypted Voice/Data

Rx Group Including Tx Contact

Voice Buffer

Fixed Using Channel Tx Contact

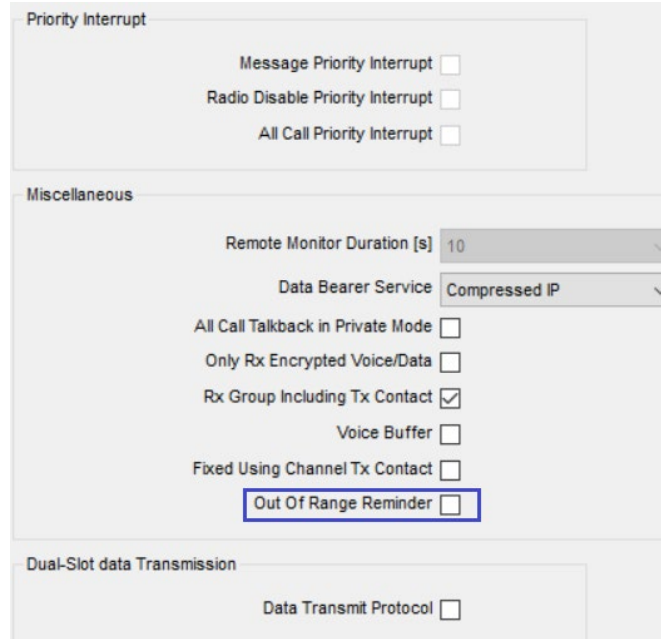
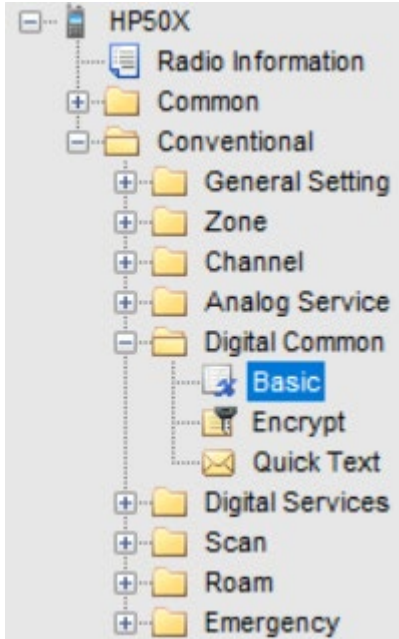
Out Of Range Reminder

Dual-Slot data Transmission

Data Transmit Protocol

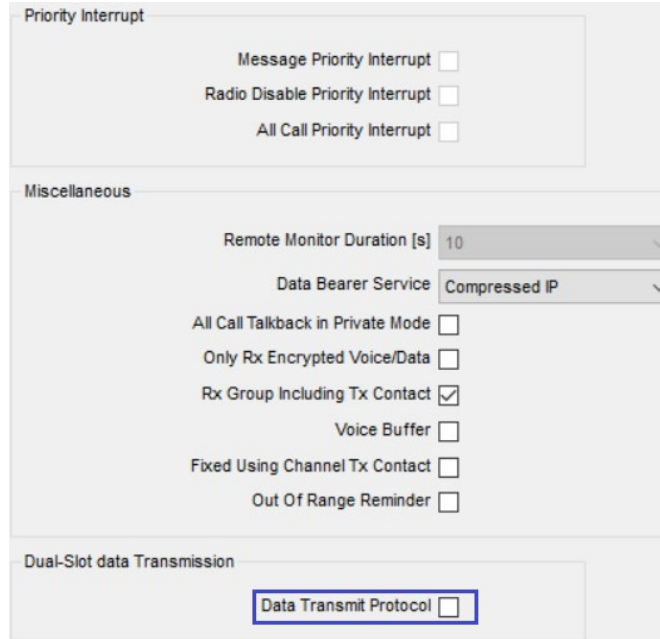
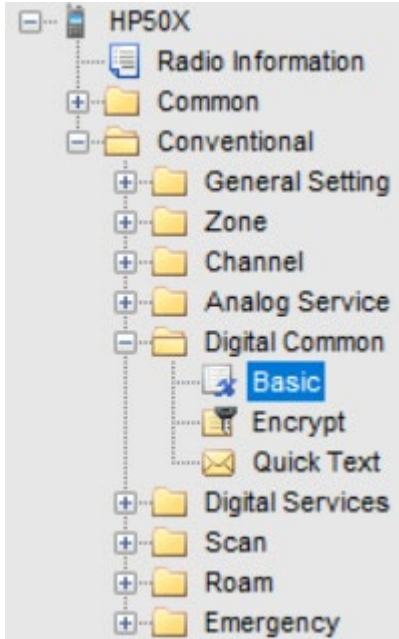
- Define se o rádio incluirá o contato Tx na lista de grupos Rx automaticamente.

Conventional / Digital Common



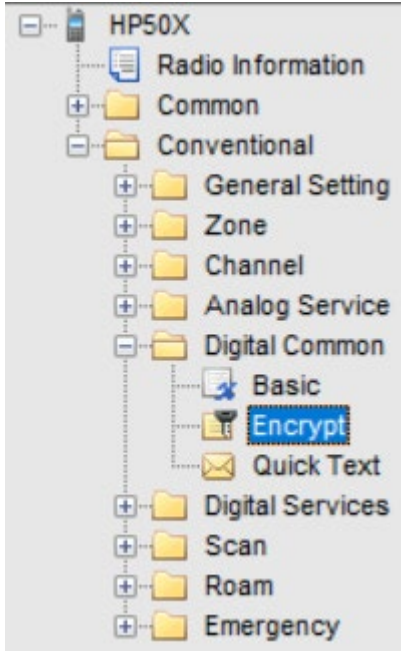
- Se o rádio estiver fora do alcance da repetidora (não recebendo o sinal de Beacon da repetidora dentro do intervalo de sinal), ele exibirá "Fora de alcance" na tela.

Conventional / Digital Common



- Com este recurso habilitado, os rádios transmitem ou recebem os dados com ou sem ACK nos 2 slots quando dispositivos externos transferem dados através deles.

Conventional / Digital Common



Encrypt

Encrypt Key Source CPS

Encrypt Service Voice and Data

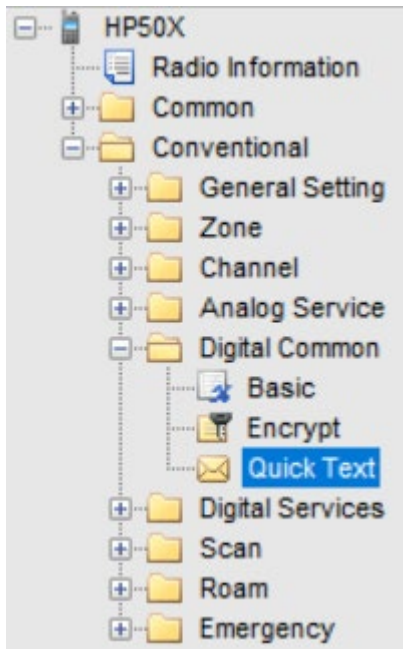
Encrypt Key Length

10 Characters 32 Characters 64 Characters

No.	Key ID	Key Alias	Key Length	Key Value
1	10	WEBINAR HP5	10 Characters	55AA55AA55

- Habilitar e configurar a criptografia.

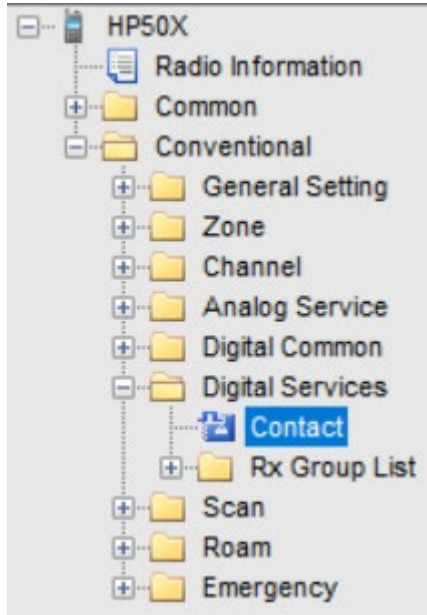
Conventional / Digital Common



No.	Quick Text
1	WEBINAR HP5
2	Hytera Wings University
3	HP5 melhor rádio de locação
4	Cancelamento de ruído com IA
5	XPT site unico

- Configura mensagem de texto rápido
- Precisa configurar um botão lateral

Conventional / Digital Services



Contact List

Info1 Treinamento

Info2 Pós vendas

Info3 Info3

No.	Call Alias	Call Type	Call ID	Treinamento	Pós vendas
1	Segurança	Group Call	100		
2	ADM	Group Call	101		
3	Portaria	Group Call	102		
4	José Montoro	Private Call	2000		Suporte técnico
5	Julio Roland	Private Call	3000	Webinar	
6	EMERGENCIA	All Call	16777215		

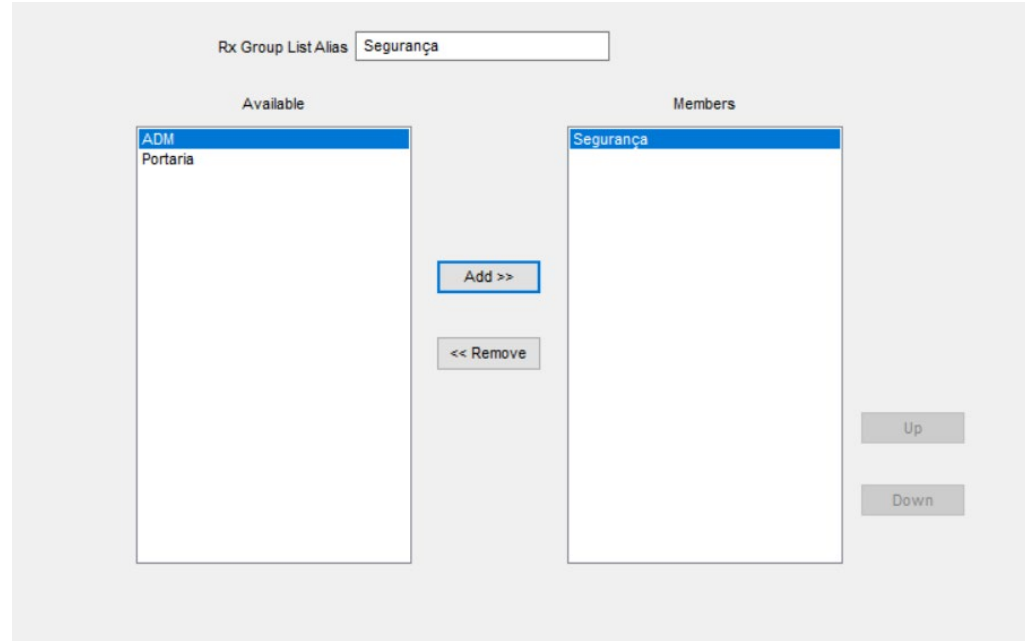
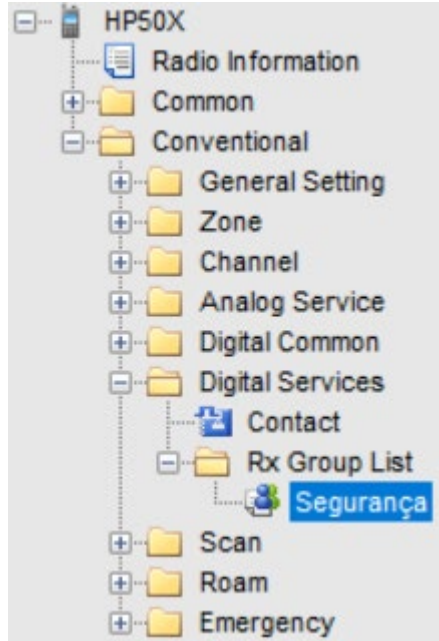
Add

Insert

Delete

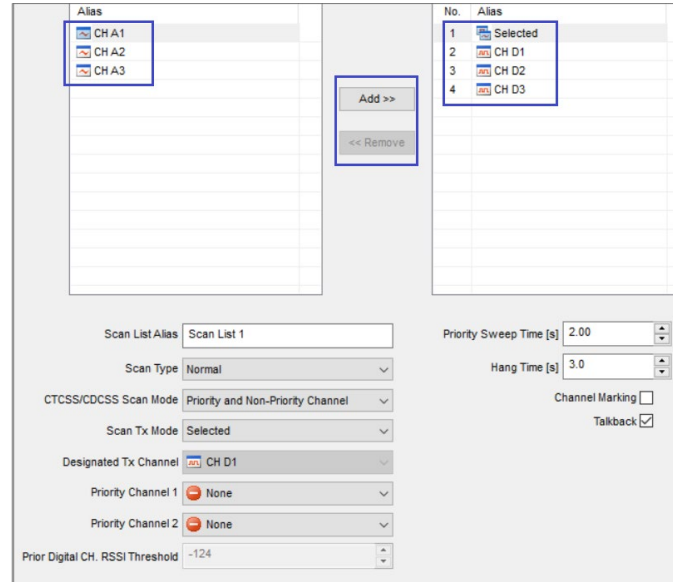
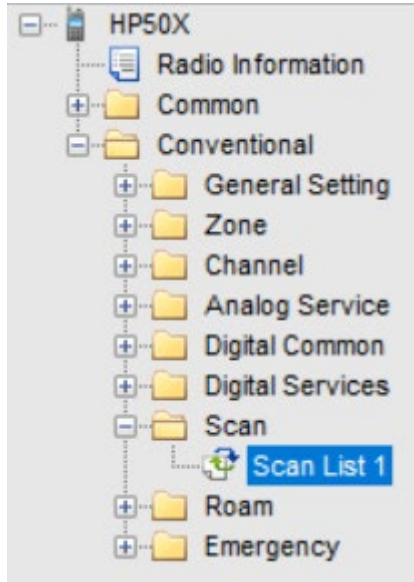
- Adicionar os Grupos, contatos privados ou Chamada para Todos
- Definir os IDs

Conventional / Digital Services



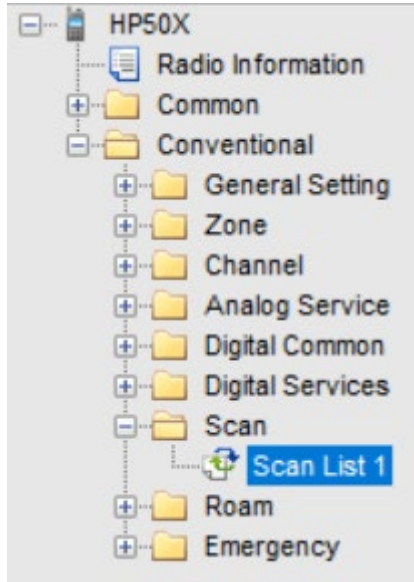
- Grupos de Rx

Conventional / Scan



- Adicionar os canais da lista de Scan

Conventional / Scan



Alias	No.	Alias
CH A1	1	Selected
CH A2	2	CH D1
CH A3	3	CH D2
	4	CH D3

Add >>

<< Remove

Scan List Alias: Scan List 1

Scan Type: Normal

CTCSS/DCSS Scan Mode: Priority and Non-Priority Channel

Scan Tx Mode: Selected

Designated Tx Channel: CH D1

Priority Channel 1: None

Priority Channel 2: None

Prior Digital CH. RSSI Threshold: -124

Priority Sweep Time [s]: 2.00

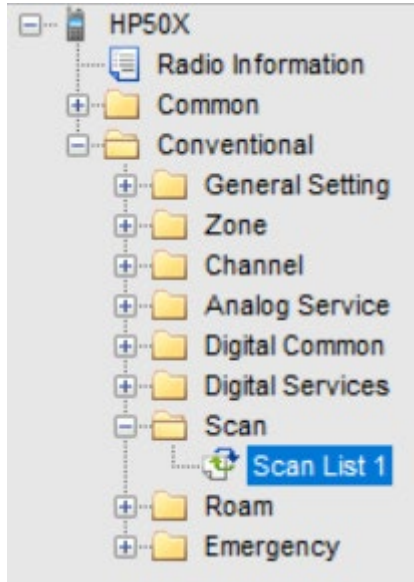
Hang Time [s]: 3.0

Channel Marking

Talkback

- Nome da lista de Scan

Conventional / Scan



Alias	No.	Alias
CH A1	1	Selected
CH A2	2	CH D1
CH A3	3	CH D2
	4	CH D3

Add >>

<< Remove

Scan List Alias: Scan List 1

Scan Type: Normal

CTCSS/DCSS Scan Mode: Priority and Non-Priority Channel

Scan Tx Mode: Selected

Designated Tx Channel: CH D1

Priority Channel 1: None

Priority Channel 2: None

Prior Digital CH. RSSI Threshold: -124

Priority Sweep Time [s]: 2.00

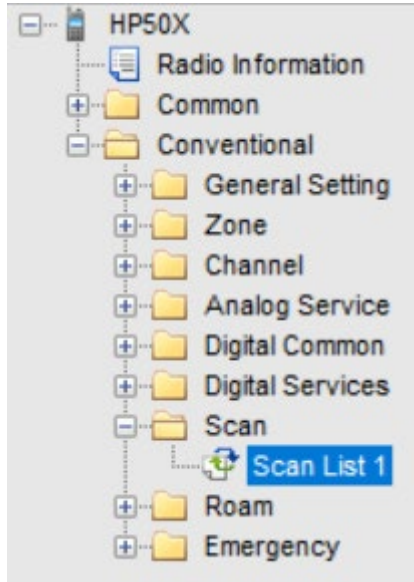
Hang Time [s]: 3.0

Channel Marking

Talkback

- Tipo do Scan, Normal ou Prioridade para os canais digitais

Conventional / Scan



Alias	No.	Alias
CH A1	1	Selected
CH A2	2	CH D1
CH A3	3	CH D2
	4	CH D3

Add >>

<< Remove

Scan List Alias: Scan List 1

Scan Type: Normal

CTCSS/CDCSS Scan Mode: Priority and Non-Priority Channel

Scan Tx Mode: Selected

Designated Tx Channel: CH D1

Priority Channel 1: None

Priority Channel 2: None

Prior Digital CH. RSSI Threshold: -124

Priority Sweep Time [s]: 2.00

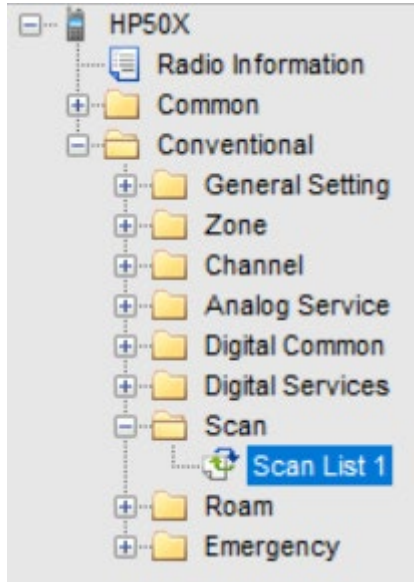
Hang Time [s]: 3.0

Channel Marking

Talkback

- Define a prioridade do canal analogico

Conventional / Scan



Alias	No.	Alias
CH A1	1	Selected
CH A2	2	CH D1
CH A3	3	CH D2
	4	CH D3

Add >>

<< Remove

Scan List Alias: Scan List 1

Scan Type: Normal

CTCSS/DCSS Scan Mode: Priority and Non-Priority Channel

Scan Tx Mode: Selected

Designated Tx Channel: CH D1

Priority Channel 1: None

Priority Channel 2: None

Prior Digital CH. RSSI Threshold: -124

Priority Sweep Time [s]: 2.00

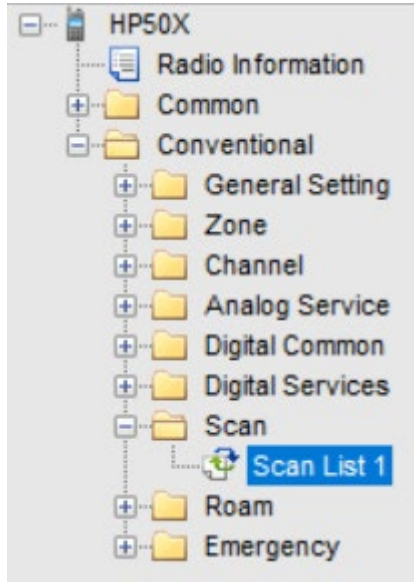
Hang Time [s]: 3.0

Channel Marking

Talkback

- Define o canal de Tx, podendo ser o Selecionado, Ultimo canal ativo ou um canal designado

Conventional / Scan



Alias	No.	Alias
CH A1	1	Selected
CH A2	2	CH D1
CH A3	3	CH D2
	4	CH D3

Add >>

<< Remove

Scan List Alias: Scan List 1

Scan Type: Normal

CTCSS/CDSS Scan Mode: Priority and Non-Priority Channel

Scan Tx Mode: Selected

Designated Tx Channel: CH D1

Priority Channel 1: None

Priority Channel 2: None

Prior Digital Ch. RSSI Threshold: -124

Priority Sweep Time [s]: 2.00

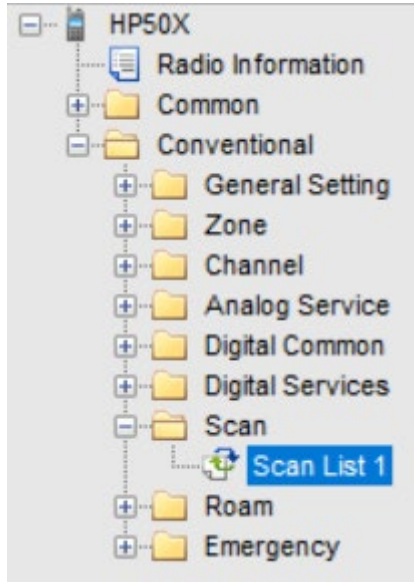
Hang Time [s]: 3.0

Channel Marking:

Talkback:

- Designar o canal de Tx

Conventional / Scan



Alias	No.	Alias
CH A1	1	Selected
CH A2	2	CH D1
CH A3	3	CH D2
	4	CH D3

Add >>

<< Remove

Scan List Alias: Scan List 1

Scan Type: Normal

CTCSS/DCSS Scan Mode: Priority and Non-Priority Channel

Scan Tx Mode: Selected

Designated Tx Channel: CH D1

Priority Channel 1: None

Priority Channel 2: None

Prior Digital CH. RSSI Threshold: -124

Priority Sweep Time [s]: 2.00

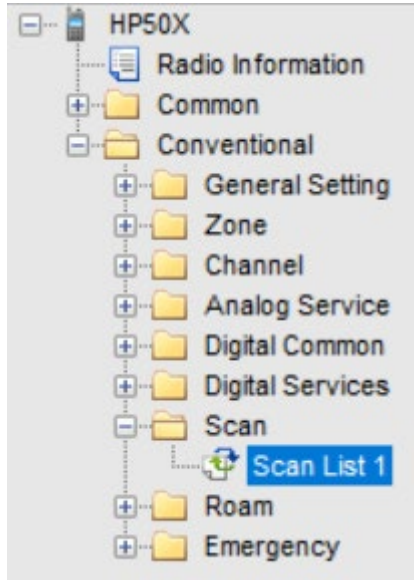
Hang Time [s]: 3.0

Channel Marking

Talkback

- Define os canais de prioridade de Scan

Conventional / Scan



Alias	No.	Alias
CH A1	1	Selected
CH A2	2	CH D1
CH A3	3	CH D2
	4	CH D3

Add >>

<< Remove

Scan List Alias: Scan List 1

Scan Type: Normal

CTCSS/DCSS Scan Mode: Priority and Non-Priority Channel

Scan Tx Mode: Selected

Designated Tx Channel: CH D1

Priority Channel 1: None

Priority Channel 2: None

Prior Digital CH. RSSI Threshold: -124

Priority Sweep Time [s]: 2.00

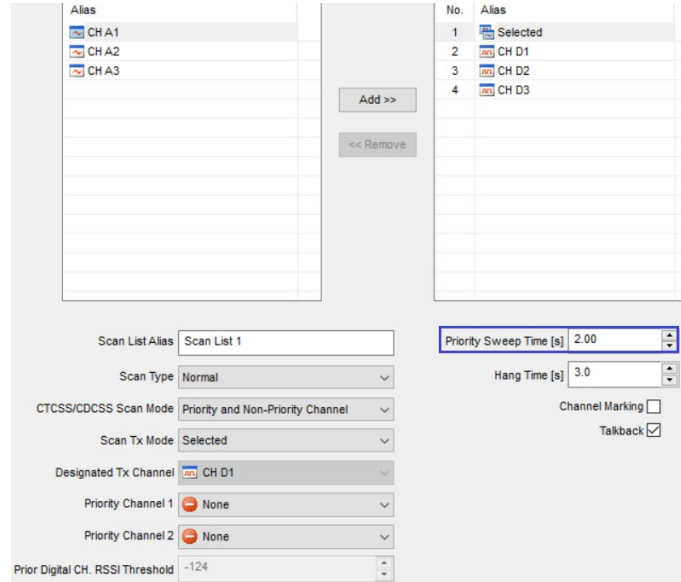
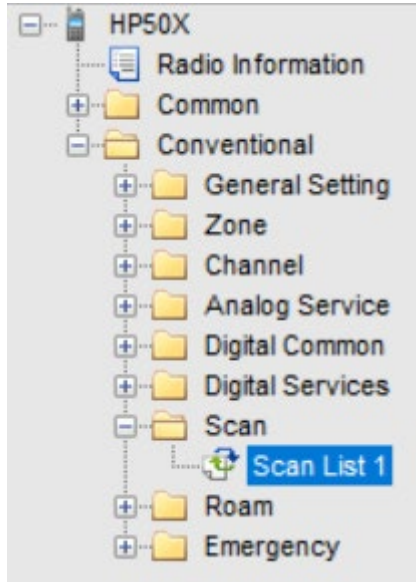
Hang Time [s]: 3.0

Channel Marking:

Talkback:

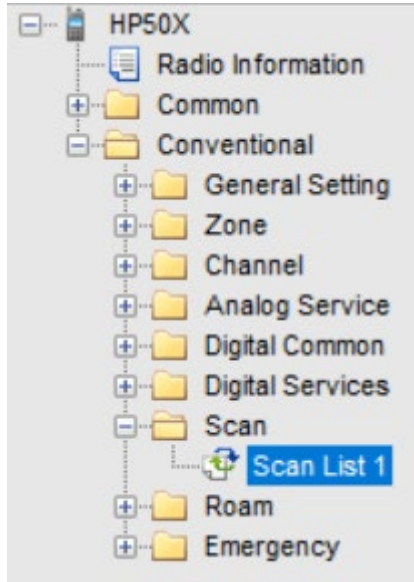
- Quando o tipo de scan é definido como canal digital prioritário, se o RSSI do canal for igual ou superior a esse limite, o rádio permanecerá nesse canal.
- Se for menor, o rádio fará o Scan de outros canais da lista.
- Se o RSSI de todos os canais for inferior a esse limite, o rádio permanecerá no canal com maior RSSI.

Conventional / Scan



- Define o intervalo do Scan prioritário

Conventional / Scan



Alias	No.	Alias
CH A1	1	Selected
CH A2	2	CH D1
CH A3	3	CH D2
	4	CH D3

Add >>

<< Remove

Scan List Alias: Scan List 1

Scan Type: Normal

CTCSS/CDCSS Scan Mode: Priority and Non-Priority Channel

Scan Tx Mode: Selected

Designated Tx Channel: CH D1

Priority Channel 1: None

Priority Channel 2: None

Prior Digital CH, RSSI Threshold: -124

Priority Sweep Time [s]: 2.00

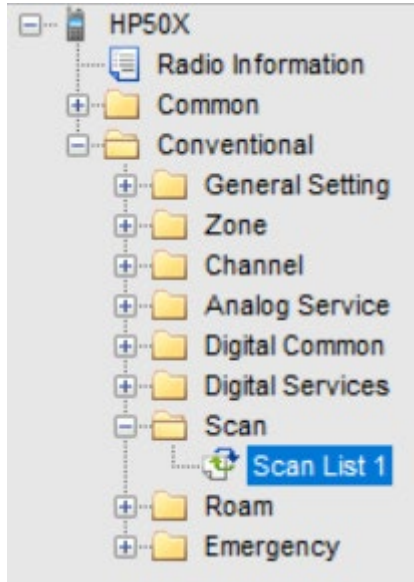
Hang Time [s]: 3.0

Channel Marking:

Talkback:

- Define o tempo que o usuário tem para responder a chamada

Conventional / Scan



Alias	No.	Alias
CH A1	1	Selected
CH A2	2	CH D1
CH A3	3	CH D2
	4	CH D3

Add >>

<< Remove

Scan List Alias: Scan List 1

Scan Type: Normal

CTCSS/CDCSS Scan Mode: Priority and Non-Priority Channel

Scan Tx Mode: Selected

Designated Tx Channel: CH D1

Priority Channel 1: None

Priority Channel 2: None

Prior Digital CH. RSSI Threshold: -124

Priority Sweep Time [s]: 2.00

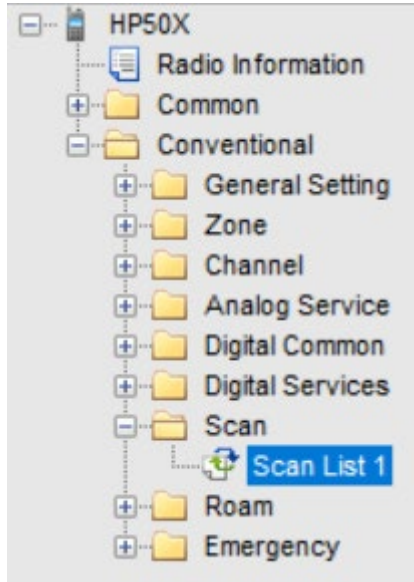
Hang Time [s]: 3.0

Channel Marking

Talkback

- O rádio apenas detecta se uma portadora está presente no canal marcado durante o próximo processo de varredura.

Conventional / Scan



Alias	No.	Alias
CH A1	1	Selected
CH A2	2	CH D1
CH A3	3	CH D2
	4	CH D3

Add >>

<< Remove

Scan List Alias: Scan List 1

Scan Type: Normal

CTCSS/CDCSS Scan Mode: Priority and Non-Priority Channel

Scan Tx Mode: Selected

Designated Tx Channel: CH D1

Priority Channel 1: None

Priority Channel 2: None

Prior Digital CH. RSSI Threshold: -124

Priority Sweep Time [s]: 2.00

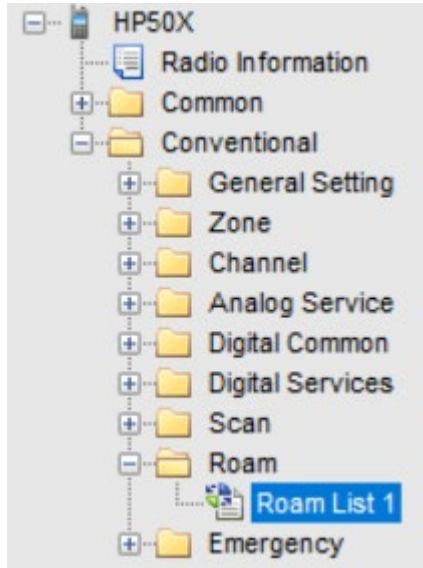
Hang Time [s]: 3.0

Channel Marking

Talkback

- Define se o usuário poderá responder o canal que foi acionado pelo Scan

Conventional / Roaming



Available		Members	
Alias		No.	Alias
		1	Selected

Add >>

<< Remove

Roam List Alias: Roam List 1

RSSI Threshold: -108

Roam RSSI Offset[db]: 5

Roam Interval Time[s]: 15

Active Site Roam

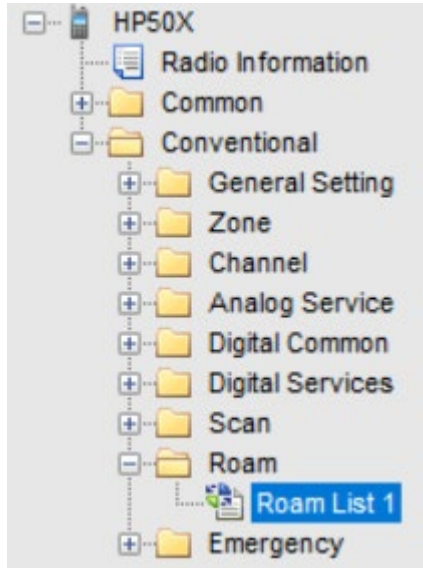
Return To Selected CH

Follow All Master Site Config

Roaming stay

- Quando o recurso Roaming Stay está ativado, o rádio permanece temporariamente no canal com RSSI mais alto quando detecta que o RSSI de todos os canais na Lista de Roaming é inferior ao Limite de RSSI durante o roaming.

Conventional / Roaming



Available		Members	
Alias		No.	Alias
		1	Selected

Add >>

<< Remove

Roam List Alias: Roam List 1

RSSI Threshold: -108

Roam RSSI Offset[db]: 5

Roam Interval Time[s]: 15

Active Site Roam

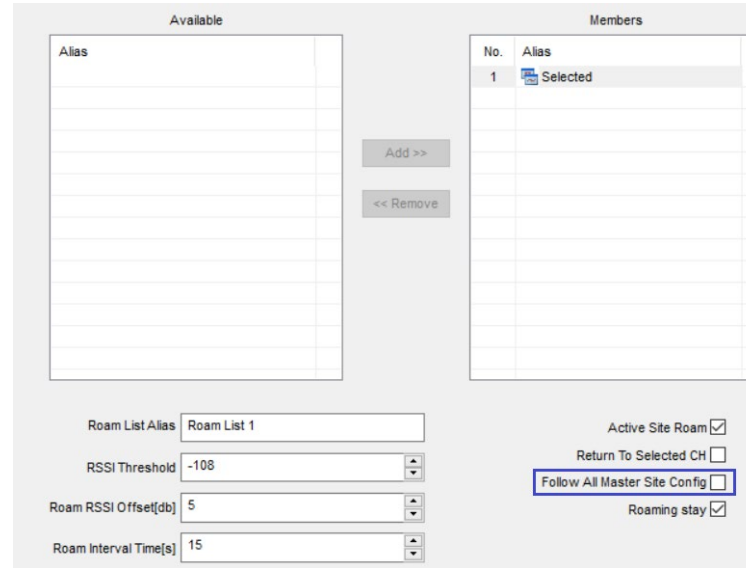
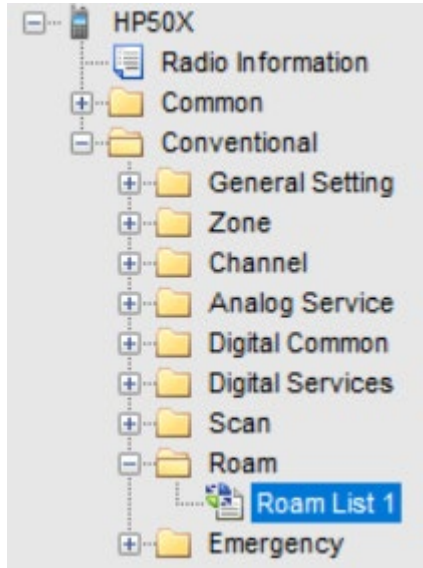
Return To Selected CH

Follow All Master Site Config

Roaming stay

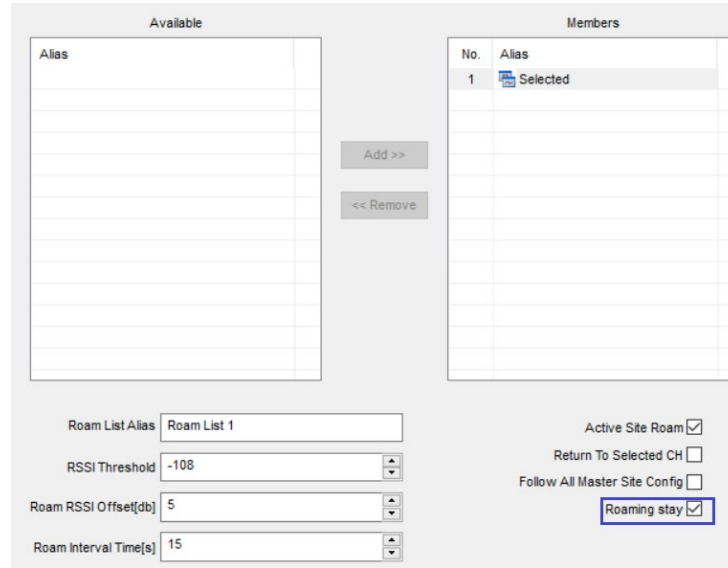
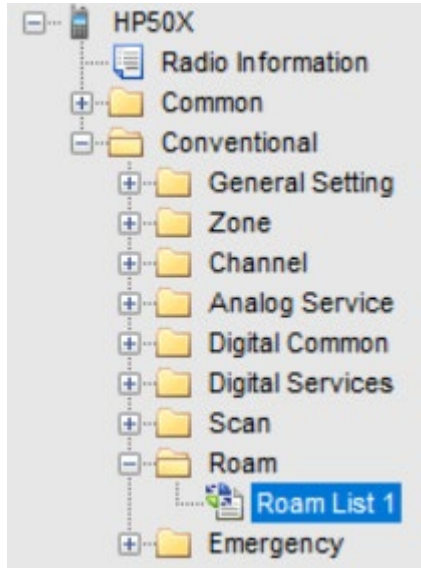
- Ativa a funcionalidade do Roaming

Conventional / Roaming



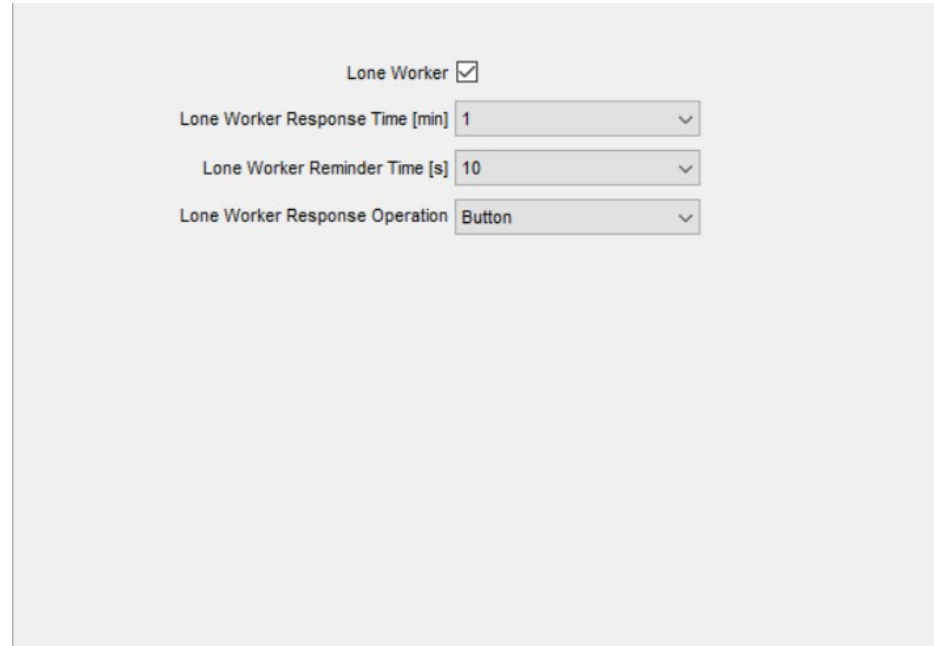
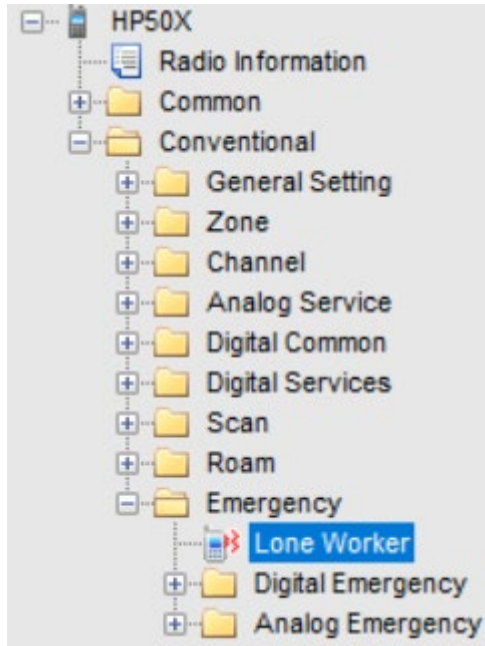
- Esta opção decide se as informações do canal atual serão iguais com as do canal Active Site Roam

Conventional / Roaming



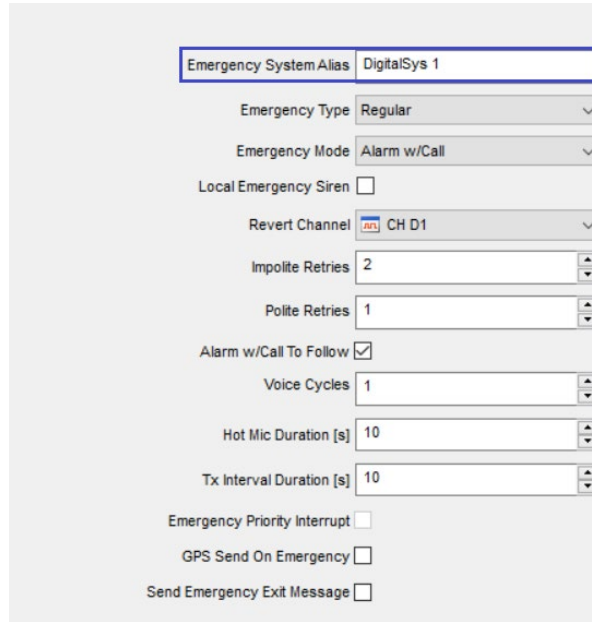
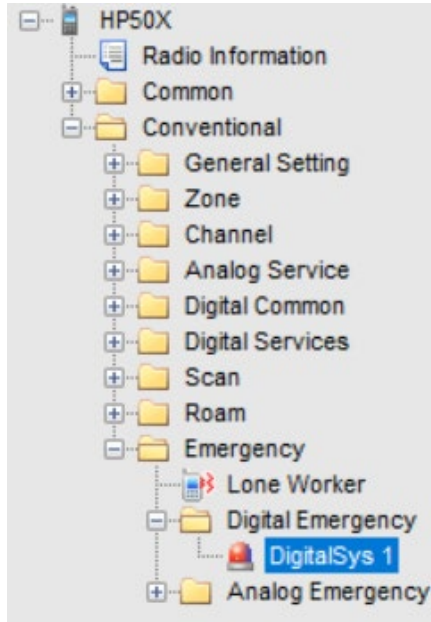
- Com esse recurso ativado, o rádio permanece temporariamente no canal com RSSI mais alto quando detecta que o RSSI de todos os canais na lista de roaming é inferior ao limite de RSSI durante o roaming.

Conventional / Emergency



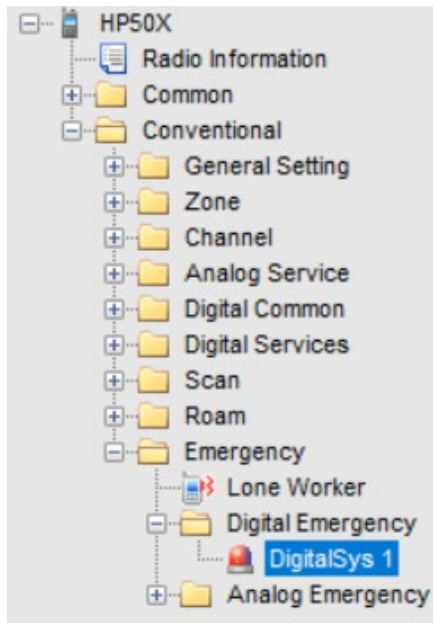
- Ativa a funcionalidade Lone Worker
- Tempo de trabalho
- Tempo de resposta
- Tipo de resposta: Botão ou PTT

Conventional / Emergency



- Define o Alias da Emergencia

Conventional / Emergency

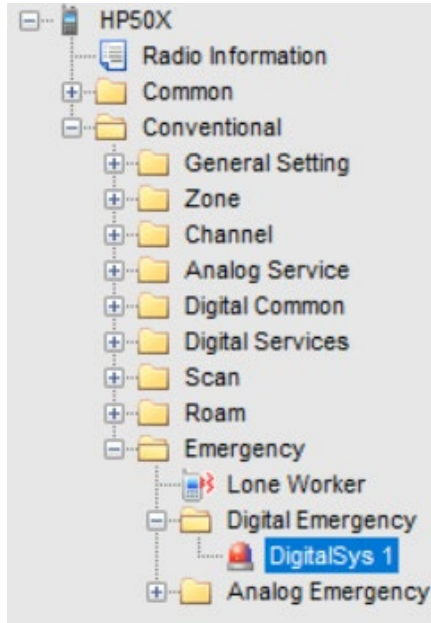


The screenshot shows the configuration page for the Emergency System Alias 'DigitalSys 1'. The 'Emergency Type' is set to 'Regular'. Other settings include 'Emergency Mode' (Alarm w/Call), 'Local Emergency Siren' (unchecked), 'Revert Channel' (CH D1), 'Impolite Retries' (2), 'Polite Retries' (1), 'Alarm w/Call To Follow' (checked), 'Voice Cycles' (1), 'Hot Mic Duration [s]' (10), and 'Tx Interval Duration [s]' (10). There are also checkboxes for 'Emergency Priority Interrupt', 'GPS Send On Emergency', and 'Send Emergency Exit Message', all of which are currently unchecked.

- Somente sirene
- Regular
- Silencioso
- Silencioso com voz
- Alarm com Sirene

■ Define o tipo de Emergencia

Conventional / Emergency



Emergency System Alias: DigitalSys 1

Emergency Type: Regular

Emergency Mode: Alarm w/Call

Local Emergency Siren:

Revert Channel: CH D1

Impolite Retries: 2

Polite Retries: 1

Alarm w/Call To Follow:

Voice Cycles: 1

Hot Mic Duration [s]: 10

Tx Interval Duration [s]: 10

Emergency Priority Interrupt:

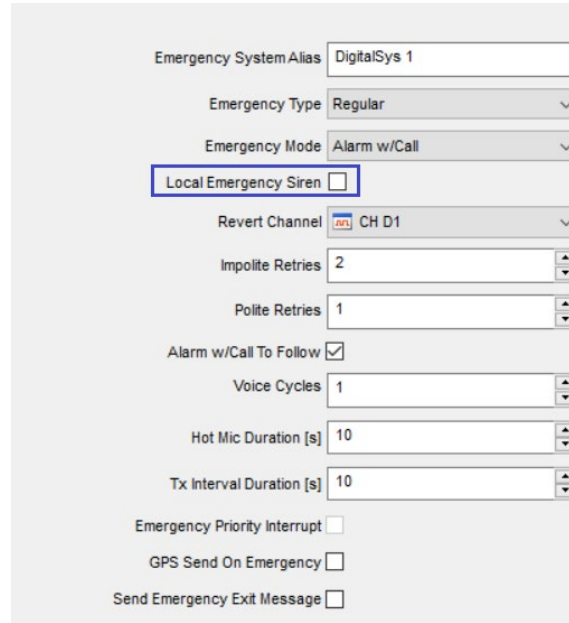
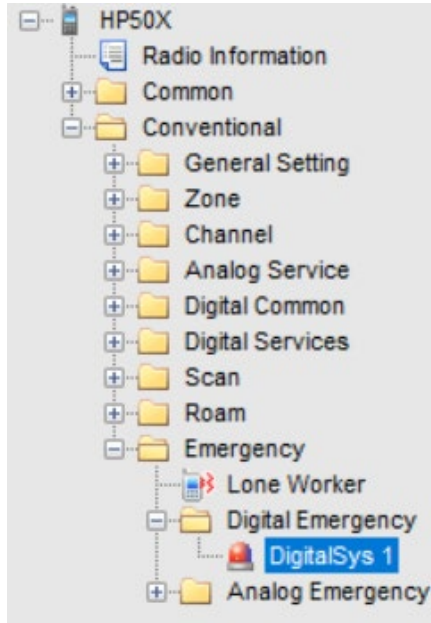
GPS Send On Emergency:

Send Emergency Exit Message:

- Alarme
- Alarme com voz
- Somente chamada

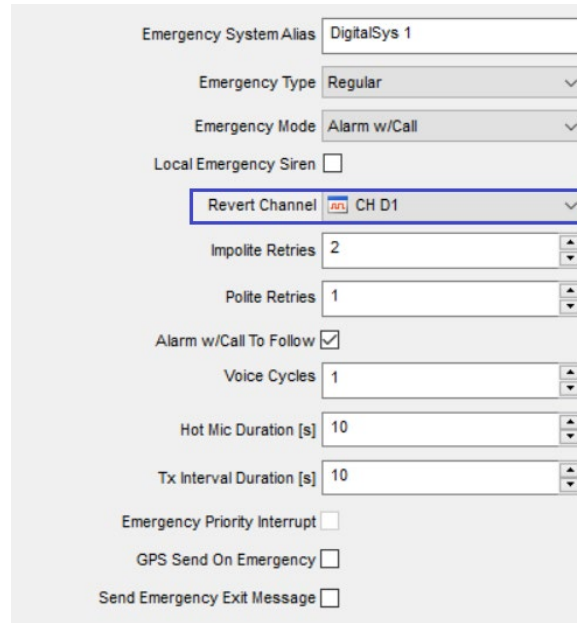
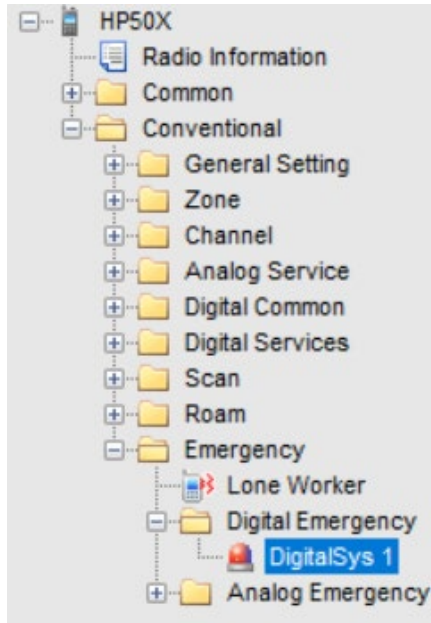
■ Define o Modo da Emergencia

Conventional / Emergency



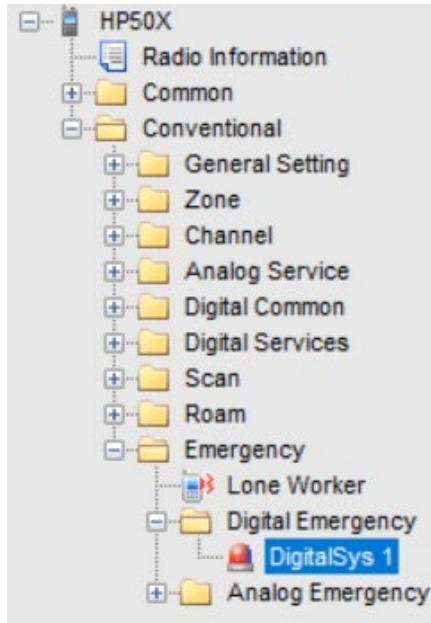
- Habilita Sirene local

Conventional / Emergency



- Define o canal de reversão para Emergencia

Conventional / Emergency

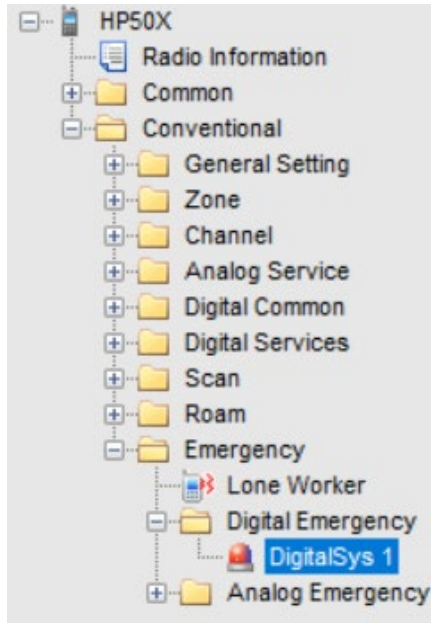


The image shows the configuration page for 'DigitalSys 1'. The settings are as follows:

- Emergency System Alias: DigitalSys 1
- Emergency Type: Regular
- Emergency Mode: Alarm w/Call
- Local Emergency Siren:
- Revert Channel: CH D1
- Impolite Retries: 2
- Polite Retries: 1
- Alarm w/Call To Follow:
- Voice Cycles: 1
- Hot Mic Duration [s]: 10
- Tx Interval Duration [s]: 10
- Emergency Priority Interrupt:
- GPS Send On Emergency:
- Send Emergency Exit Message:

- Uma transmissão indelicada ocorre mesmo quando o canal está ocupado.
- Esta opção define o número de vezes que o rádio enviará o alarme

Conventional / Emergency



Emergency System Alias: DigitalSys 1

Emergency Type: Regular

Emergency Mode: Alarm w/Call

Local Emergency Siren:

Revert Channel: CH D1

Impolite Retries: 2

Polite Retries: 1

Alarm w/Call To Follow:

Voice Cycles: 1

Hot Mic Duration [s]: 10

Tx Interval Duration [s]: 10

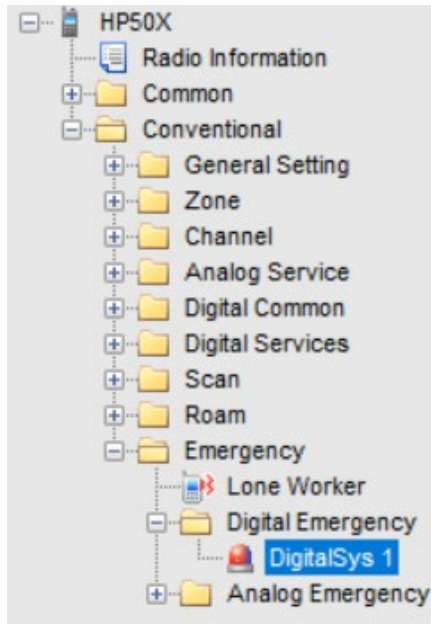
Emergency Priority Interrupt:

GPS Send On Emergency:

Send Emergency Exit Message:

- Esta opção permite que os usuários selecionem se desejam iniciar uma chamada de emergência automaticamente.

Conventional / Emergency

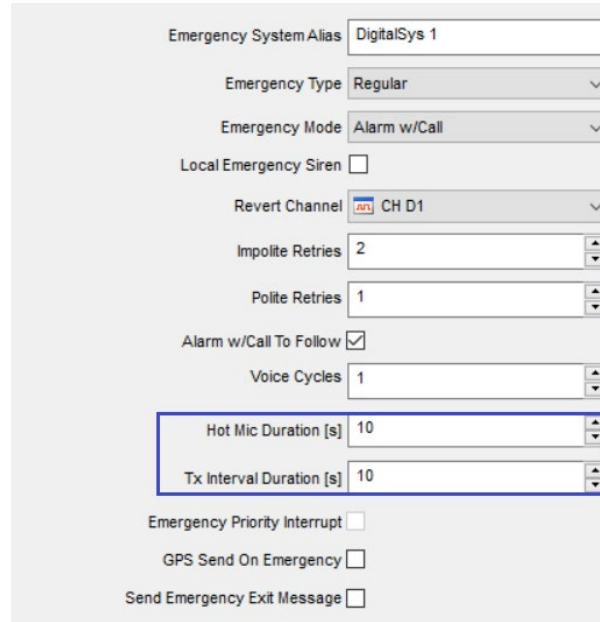
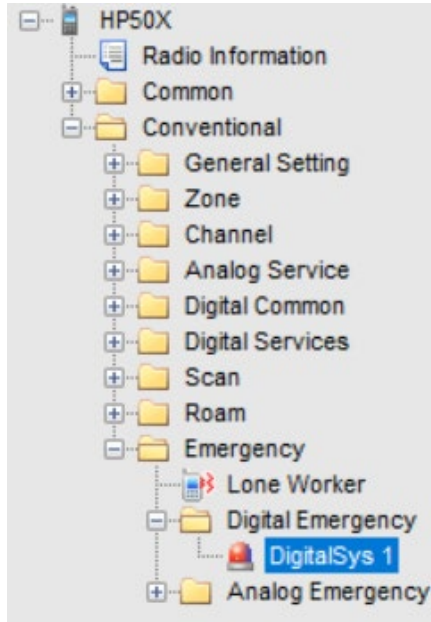


A screenshot of the Emergency System Alias configuration page. The settings are as follows:

- Emergency System Alias: DigitalSys 1
- Emergency Type: Regular
- Emergency Mode: Alarm w/Call
- Local Emergency Siren:
- Revert Channel: CH D1
- Impolite Retries: 2
- Polite Retries: 1
- Alarm w/Call To Follow:
- Voice Cycles: 1 (highlighted with a blue border)
- Hot Mic Duration [s]: 10
- Tx Interval Duration [s]: 10
- Emergency Priority Interrupt:
- GPS Send On Emergency:
- Send Emergency Exit Message:

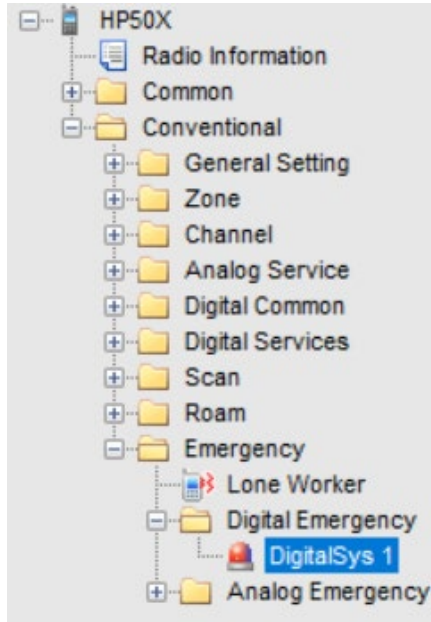
- Esta opção define o número de ciclos que o rádio transmite uma chamada de emergência automaticamente (ou seja, o microfone é aberto mesmo sem PTT)

Conventional / Emergency



- Duração do tempo do microfone aberto durante a chamada de emergencia
- Intervalo de transmissão

Conventional / Emergency



Emergency System Alias: DigitalSys 1

Emergency Type: Regular

Emergency Mode: Alarm w/Call

Local Emergency Siren:

Revert Channel: CH D1

Impolite Retries: 2

Polite Retries: 1

Alarm w/Call To Follow:

Voice Cycles: 1

Hot Mic Duration [s]: 10

Tx Interval Duration [s]: 10

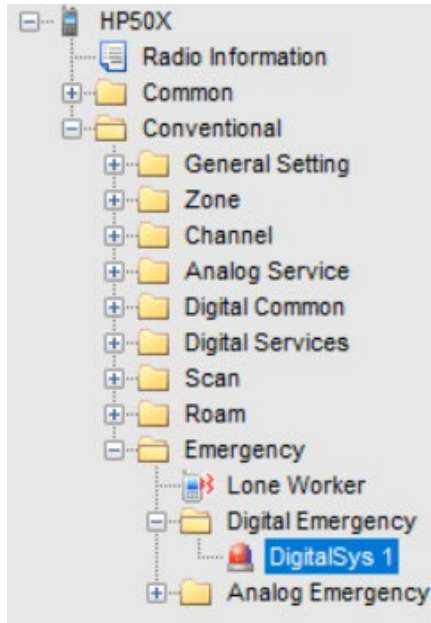
Emergency Priority Interrupt

GPS Send On Emergency

Send Emergency Exit Message

- Habilita a Prioridade de Interrupção na Chamada de Emergencia

Conventional / Emergency

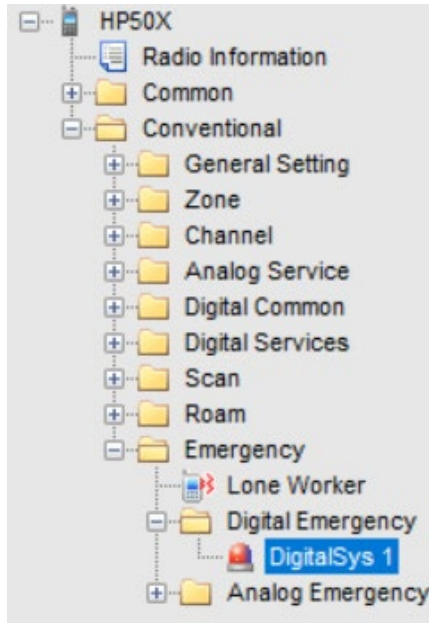


The screenshot shows the configuration window for the Emergency System Alias. The settings are as follows:

- Emergency System Alias: DigitalSys 1
- Emergency Type: Regular
- Emergency Mode: Alarm w/Call
- Local Emergency Siren:
- Revert Channel: CH D1
- Impolite Retries: 2
- Polite Retries: 1
- Alarm w/Call To Follow:
- Voice Cycles: 1
- Hot Mic Duration [s]: 10
- Tx Interval Duration [s]: 10
- Emergency Priority Interrupt:
- GPS Send On Emergency: (highlighted with a blue box)
- Send Emergency Exit Message:

- Enviará a posição GPS para o canal de reversão de emergencia

Conventional / Emergency



A screenshot of the Emergency System configuration settings. The settings are as follows:

- Emergency System Alias: DigitalSys 1
- Emergency Type: Regular
- Emergency Mode: Alarm w/Call
- Local Emergency Siren:
- Revert Channel: CH D1
- Impolite Retries: 2
- Polite Retries: 1
- Alarm w/Call To Follow:
- Voice Cycles: 1
- Hot Mic Duration [s]: 10
- Tx Interval Duration [s]: 10
- Emergency Priority Interrupt:
- GPS Send On Emergency:
- Send Emergency Exit Message:

- Envia uma Mensagem de Saída de Emergência para o receptor quando o rádio sai de um alarme de emergência através da tecla de atalho Alarme de Emergência desligado.

▽ **Obrigado** ●

Stay
True to
Our
Mission

1993-2023

