

Connect a Hytera MD785 to Mimer X-Link

Also works with the Tetra mobile Hytera MT680

Interface Power Supply +12VDC / max 0,3A.

See wiring diagram on following pages.



Hytera MD785 connected to a X-Link interface

Radio programming MD785

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- Port 16 shall be set to Ext. Mic PTT, active low.
- Port 23 shall be set to Carrier Detect, active low

See screen shot below.

	GPIO Pins	
Common	Data Revert Channel 🖂 Selected	•
Conventional	Debounce Duration [ms] 100	
Accessories	Active Level Feature	Debounce
Buttons	Pin#3 Low	- V
<mark>G</mark> ⊛ One Touch Call / Menu ⁴ ⊟ Menu	Low To High None	T
Ul Indication	High To Low None	Ŧ
tinia and a second sec	Pin#5 High	▼ ▼
Analog Service Digital Common	Low To High None	w
DMR Services	High To Low None	T
terian Roam terian terregency	Pin#12 Low None	-
⊕ Phone ⊕ DMR Trunking	Low to high	
	High To Low None	*
	Pin#16 Low Ext Mic PTT	
	Low To High None	*
	High To Low None	*
	Pin#20 Low None	▼ ▼
	Low To High	*
	High To Low None	*
	Pin#22 Low Vone	▼ ▼
	Low To High None	
	High To Low None	×
Rektangulärt klipp		 ▼ ▼
	Low To High None	
	Hun 18 L8W Wone	

General Settings / Accessories

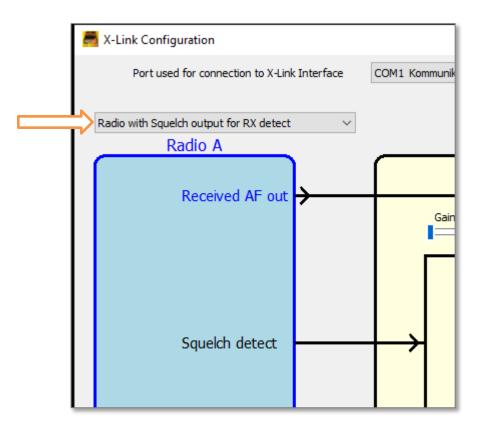
Radio programming MT680

Similar settings as above will need to be done in the radio. No screen shots available for the moment.

Settings in the X-Link interface

Select the proper settings for Radio A or Radio B depending on your connection.

• Radio with squelch output for Rx detect



Part of the Configuration software window

Check/adjust the audio levels in both directions in the interface so that the users hears the X-Link with the same level as when listening to other radios.

See the X-Link setup manual for details on setting the audio level.

Connection Cable:

Select the proper configuration below depending on if your radio will be connected as Radio A or Radio B to the X-Link interface.

		X-Link 25-pin Dsub Male
26-0	in Hi-density D-s	
TX Audio Audio GND	P2 7 0	White → 13 P1 LFoutToA Brown → 25 P1 LFoutA_RET
RX Audio	P2 8 0	Blue 2 P1 LFinFromA
Radio A PTT Carrier Detect GND Ignition sense	P2 16 P2 23 P2 6 P2 26 P2 26 P2 P2 26 P2	Grey ⊂ 3 P1 Out-1 (PTT) Yellow ⊂ 16 P1 In-1 Green ⊂ 5 P1 GND Pink
12Vin GND		→ 19 P1 12Vin → 20 P1 GND
26-p	in Hi-density D-s	Ub Male Pink
Ignition sense TX Audio Audio GND	P3 26 0 P3 7 0 P3 17 0	White I P1 LFoutToB Brown 14 P1 LFoutB_RET
RX Audio	P3 8 🗢	Blue 12 P1 LFinFromB
Radio B PTT Carrier Detect GND	P3 16 P3 23 P3 6 P3 6 P3 6	Grey ⇒ 11 P1 Out-2 (PTT) Yellow ⇒ 23 P1 In-2 Green ⇒ 9 P1 GND