

Cable Kit 3307 Network Interface 3009/55

Mimer SoftRadio – Hytera MD785

Also MD782, MD788

Remote functionality

This cable kit will together with the Mimer Network Interface 3009/55 give remote control of the radios audio and PTT functions.



SoftRadio will also display a Virtual Control Head with full control of the keys and the display. All functions in the radio can be remote controlled.

Radio programming

You need to set the Accessory port communication to USB with RNDIS, the GPIO PIN16 for external microphone PTT and PIN5 for Ext Alarm high. See next page for CPS screen dumps.

Apart from that, no special programming is needed in the radio.

The radio needs to have firmware 7.0 or later.

Cable Kit

The red and black wires shall be connected to 12VDC, red is positive.

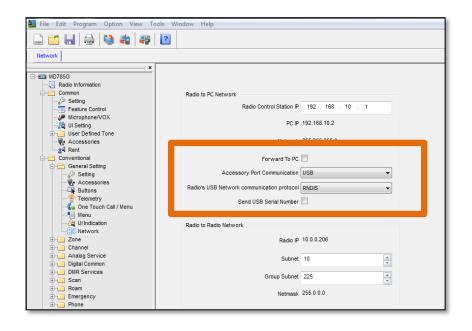
The network interface consumes max 0,3A.



Network Interface connected to Hytera MD785

Please note

The remote function cannot work at the same time as the radios programming cable is attached. Disconnect the programming cable before connecting the Network Interface. Screen dumps from the Hytera CPS:



MD785G Radio Information	Accessories	
E-Common		
Feature Control	GPIO Pins	
- 🕅 UI Setting	Data Revert Channel 🔽 Selected 👻	
User Defined Tone	Debounce Duration [ms] 100	
Rent Rent		
Conventional General Setting	Active Level Feature Debou	nce
Setting	Pin#3 Low None	
	Low To High None -	
Menu		
	Pin#5 High 👻 Ext Alarm/Horn & Lights 👻 💟	
	Low To High None *	
Channel	Low to right	
Electricity	ingi to con	
	Pin#12 Low 🔻 None 👻 💟	
Water	Low To High None v	
DMR Services		
HDC1200 Services		
2-Tone Services Personality	Pin#16 Low ▼ Ext Mic PTT ▼ 💟	
🖶 🦲 Scan	Low To High None	
⊕ Roam ⊕ Emergency		
De Phone	High to Low None	

Keypad use on the Virtual Control Head

Although the radios control head does not have a keyboard for channel or number entry, the Virtual Control Head can be set to display a keyboard.



This is useful in systems were the radio operator often sends private calls or has many channels to choose from. It is faster to enter a channel number than to select with the up/down arrows. For example when used as a marine VHF radio.

M07860						
Rado tvfarmation	TK Short	Emergency On	~	TK Long	Energency Off	×
Conventional	P1 Short	Adjust power level	~	P1 Long	Mentor	ý.
- P Setting	P2 Short	Adjust Squeich Level	~	P2 Long	Contect Lief	v
Accessories Butions Toleretry Con Truch Call / Menu	P3 Short	GPS Report	~	P3 Long	Preset Channel 1	~
	P4 Short	Scan	~	P4 Long	Horn & Lights	~
Venu Vindcation	P5 Short	Contact Lat	~	PS Long	Zine Down	×
Entwork	P6 Short	Hore Screen	<u></u>	P6 Long	Zone Up	ý.
Dia Channel	ACC P1 Short	Montor	4	ACC P1 Long	None	-
Governmenter	ACC P2 Short	Scat	~	ACC P2 Long	Note	×
E CMR Services	ACC TK Short	Emergency On	~	ACC TK Long	Energency 017	~
Roan	Up	Note	~	Loss	Drass Duration (st. 2.0	
Phone Rome	Down	None	÷	ng Press Duration for Emergency Off(s) 2.0		-
	Channel Switch Type	Switch Within Zone	4	Default Num	eric Key Selecton Esable	~
	Channel Switch Dail Type	ZoneRChannel	w.	Sector Sector		
					Quick Dar	
				Bullet		
	Keyped Block					

Setting to use the virtual keyboard for Private Calls

The PC's keyboard can also be used in parallel for number entry.

To use the keypad for channel change, instead program "Default Numeric Key Selection" to "Channel Switch Dial" under the "General Settings/Buttons" menu.

Press Duration for Emergency Off [s]	2.0	
Default Numeric Key Selection	Channel Switch I $ \smallsetminus $	
Manual Dial		



