Cable Kit 3127
Interface 3009/24

Mimer SoftRadio - Motorola MTM5500 and MTM5400 with Expansion Head mounted

Remote functionality

This cable kit will together with the Mimer Network Interface give remote control of the radios audio and PTT functions and display a virtual control head on Mimer SoftRadio.

The virtual control heads functionality is as far as the PEI protocol admits. More details on the functionality can be found here: www.lse.se/mtm

Radio programming

- The PEI-port baud rate shall be set to 57600.
  No parity, RTS/CTS, 1 stop bit, 8 data bits

- The audio ports in the back of the radio shall be active.

- External alarm (horn & lights) shall be active if you want SoftRadio to react when a private call is received.

Please see next pages for screen shots of these settings.

Radio hardware configuration

A radio control head can be mounted, but does not need to be mounted.

The cable kit connects both to the back port on the radio, for audio and the front DB9 connector for PEI.

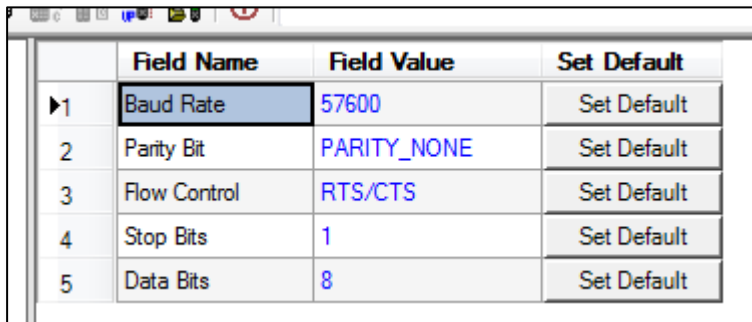MTM5500´s have their PEI port available in the front DB9 connector. (Back port is only USB connection)

MTM5400´s, with the "Data Expansion Head" (PMLN4908) mounted, automatically switches the PEI port to the DB9 connector on the front.

Power

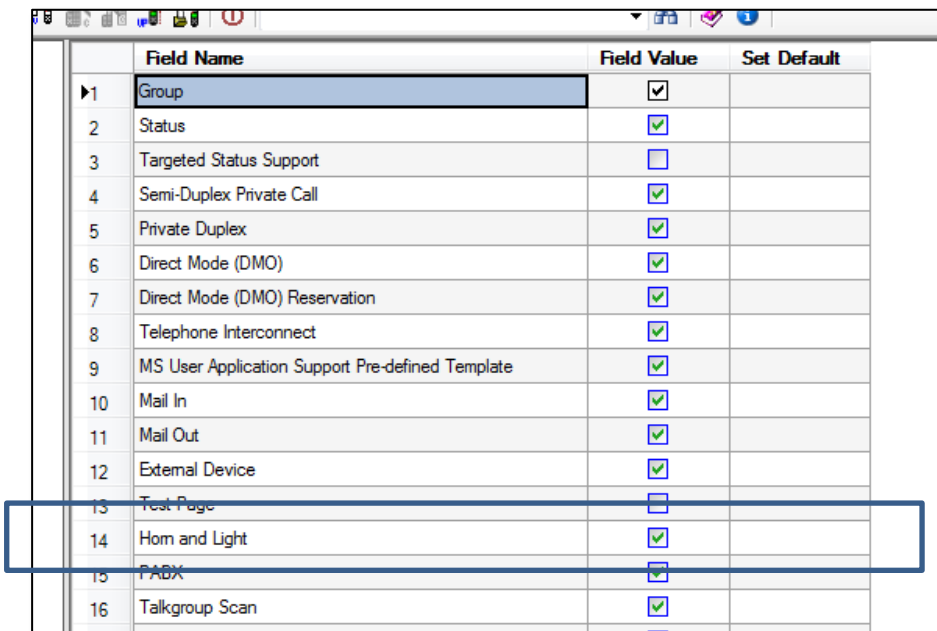The red wire shall be connected to +12VDC and the black to ground.

The network interface consumes max 0,3A.

Screen Shots of radio settings:

	Field Name	Field Value	Set Default
▶1	Baud Rate	57600	Set Default
2	Parity Bit	PARITY_NONE	Set Default
3	Flow Control	RTS/CTS	Set Default
4	Stop Bits	1	Set Default
5	Data Bits	8	Set Default

Data Services / PEI Parameters

	Field Name	Field Value	Set Default
▶1	Group	☑	
2	Status	☑	
3	Targeted Status Support	☐	
4	Semi-Duplex Private Call	☑	
5	Private Duplex	☑	
6	Direct Mode (DMO)	☑	
7	Direct Mode (DMO) Reservation	☑	
8	Telephone Interconnect	☑	
9	MS User Application Support Pre-defined Template	☑	
10	Mail In	☑	
11	Mail Out	☑	
12	External Device	☑	
13	Test Page	☐	
14	Horn and Light	☑	
15	PABX	☑	
16	Talkgroup Scan	☑	

Feature Flags

For the audio in the radio back port there are different settings in different generations of the CPS.

	Field Name	Field Value	Set Default
1	Rx Audio Line Output Type	0dBr Point	Set Default
2	Preferred Emergency Accry - Transceiver	Last Active Mic	Set Default
3	Visor Mic Rear Accry Interface	MIC1/EXT_MIC (pin #13 RAC)	Set Default

	Field Name	Field Value	Set Default
1	Visor Mic Rear Accry	PMMN4087	Set Default
2	Handset Rear Accry	Unassigned	
3	Fist Mic Rear Accry	Unassigned	Set Default
4	Ext Speaker Rear Accry	RSN4002	Set Default
5	Line In Rear Accry	Unassigned	
6	Expansion Mic	Unassigned	Set Default

Transceiver Accessories Setup / Settings

Virtual Control Head functions