

Cable Kit 3036/02 Interface 3009/28

Mimer SoftRadio - Motorola MTM800E

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

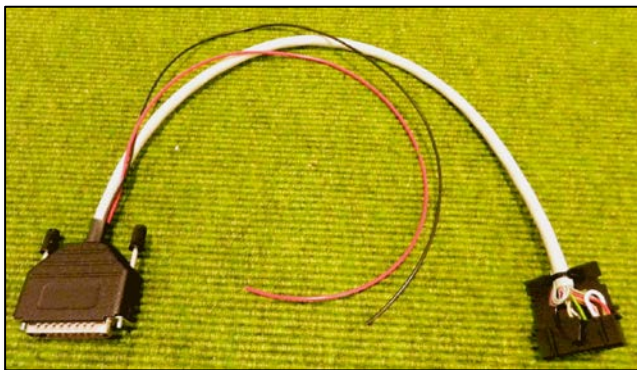
- Recommended firmware is MR5.14.3 or later.
- The PEI-port baud rate shall be set to 57600.
No parity, RTS/CTS, 1 stop bit, 8 data bits
- The audio ports in the back of the radio shall be active.
- External alarm (horn & lights) shall be active if you want SoftRadio to react when a private call is received.

Please see next pages for screen shots of these settings.

Power

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

The network interface consumes max 0,3A.



Cable Kit MTM800E

Screen Shots of radio settings:

Data Services / PEI Parameters

	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

	Field Name	Field Value	Set Default
▶ 1	Baud Rate	57600	Set Default
2	Parity Bit	PARITY_NONE	Set Default

Feature Flags

	Field Name	Field Value	Set Default
▶1	Group	<input checked="" type="checkbox"/>	
2	Status	<input checked="" type="checkbox"/>	
3	Targeted Status Support	<input type="checkbox"/>	
4	Semi-Duplex Private Call	<input checked="" type="checkbox"/>	
5	Private Duplex	<input checked="" type="checkbox"/>	
6	Direct Mode (DMO)	<input checked="" type="checkbox"/>	
7	Direct Mode (DMO) Reservation	<input checked="" type="checkbox"/>	
8	Telephone Interconnect	<input checked="" type="checkbox"/>	
9	MS User Application Support Pre-defined Template	<input checked="" type="checkbox"/>	
10	Mail In	<input checked="" type="checkbox"/>	
11	Mail Out	<input checked="" type="checkbox"/>	
12	External Device	<input checked="" type="checkbox"/>	
13	Test Page	<input type="checkbox"/>	
14	Hom and Light	<input checked="" type="checkbox"/>	
15	PADK	<input checked="" type="checkbox"/>	
16	Talkgroup Scan	<input checked="" type="checkbox"/>	

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

MR5.14, Buttons, Keys and Accessories / Accessory

Older version:

	Field Name	Field Value	Set Default
1	Active Accessory Selection	Control Head Accessory	Set Default
2	Front (10-pin MMP) GCAI Core Accessory Type	Ext Mic	Set Default
3	Rear (25-pin MMP) GCAI Core Accessory Type	Ext Mic	Set Default
4	Transceiver Accessory Type	Visor Mic	Set Default
5	Control Head Rear Alternative Accessory Connected	<input type="checkbox"/>	
6	Transceiver IMPRES Visor Mic Connected	<input type="checkbox"/>	
7	Transceiver Hands Free Mic Selection	<input type="checkbox"/>	
8	Transceiver Hands Free Mic Voltage	Normal	Set Default
9	Telephone Handset Enable External Speaker on Hook for Group Mode	Enabled	Set Default
10	Telephone Handset Enable External Speaker on Hook for Private Mode	Enabled	Set Default
11	Rx Audio Line Output Type	0dB Point	Set Default
12	Preferred Emergency Accry - Control Head	Last Active Mic	Set Default
13	Preferred Emergency Accry - Slave Control Head	Last Active Mic	
14	Preferred Emergency Accry - Transceiver	Last Active Mic	Set Default
15	Preferred Output Audio for FDPC	Speaker	Set Default
16	High / Low Switching of Audio	<input type="checkbox"/>	

Newer version:

The screenshot shows the configuration tool interface for LSE MTM800E 190906.cpe. On the left is a tree view of configuration categories, with 'Buttons, Keys and Accessories' expanded to 'Accessory'. The main table shows the following fields:

	Field Name	Field Value	Set Default
1	Active Accessory Selection	External	Set Default
2	External Accessory Type	Visor Mic	Set Default
3	Control Head Rear Alternative Accessory Connected	<input type="checkbox"/>	
4	Telephone Handset Enable External Speaker on Hook for Group Mode	Disabled	Set Default
5	Telephone Handset Enable External Speaker on Hook for Private Mode	Disabled	Set Default
6	Rx Digital Audio Gain	0 dB point	Set Default
7	Preferred Emergency Accry - Control Head	Last Active Mic	Set Default
8	Preferred Emergency Accry - Slave Control Head	Last Active Mic	
9	Preferred Emergency Accry - Transceiver	Last Active Mic	Set Default
10	Preferred Non- Emergency Accry - Control Head	Last Active Mic	Set Default
11	Preferred Non- Emergency Accry - Slave Control Head	Last Active Mic	
12	Preferred Output Audio for FDPC	Speaker	Set Default
13	High / Low Switching of Audio	<input type="checkbox"/>	

Below the table, a help window is open for the 'External Accessory Type' field, displaying the text: 'This field defines the type of external accessory connected to the radio. The'.