

Cable Kit 3124 Interface 3130 or 3009/09

Mimer SoftRadio – Kenwood NX-720/820-series and Kenwood NX3720/3820 with 15PIN HD Connector

Remote functionality

This cable kit will together with the Mimer Network Interface give remote control of the radios audio and PTT functions. To be used in SoftRadio or SoftLine systems.

Radio programming

GPIO Pin 10 shall be programmed for external PTT active low. The External PTT (voice) shall be connected to the MI2 line.

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

See screen shots on following pages.

Radio Hardware setting

Two jumpers need to be moved from the factory setting in the radio.

See last page for details.

Cable Kit

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

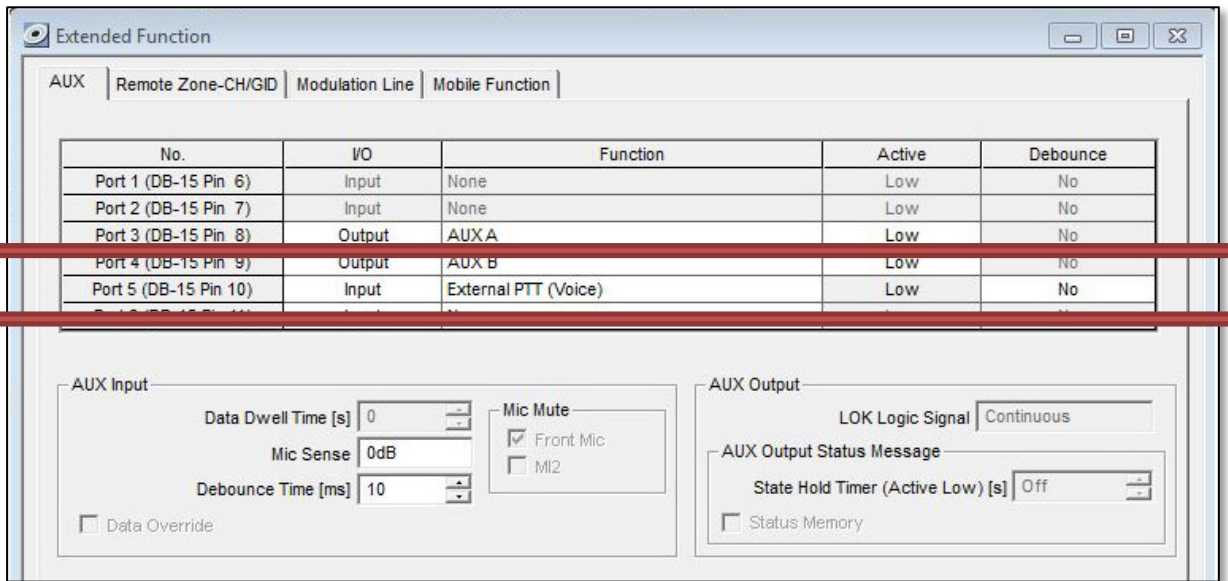
The network interface consumes max 0,3A.



*Network Interface connected to
Kenwood NX-720*

Screen shots from the radios programming software (NX720/820)

Microphone and PTT settings



Extended Function - AUX

No.	I/O	Function	Active	Debounce
Port 1 (DB-15 Pin 6)	Input	None	Low	No
Port 2 (DB-15 Pin 7)	Input	None	Low	No
Port 3 (DB-15 Pin 8)	Output	AUX A	Low	No
Port 4 (DB-15 Pin 9)	Output	AUX B	Low	No
Port 5 (DB-15 Pin 10)	Input	External PTT (Voice)	Low	No

AUX Input

Data Dwell Time [s]: 0
 Mic Sense: 0dB
 Debounce Time [ms]: 10
 Data Override

Mic Mute

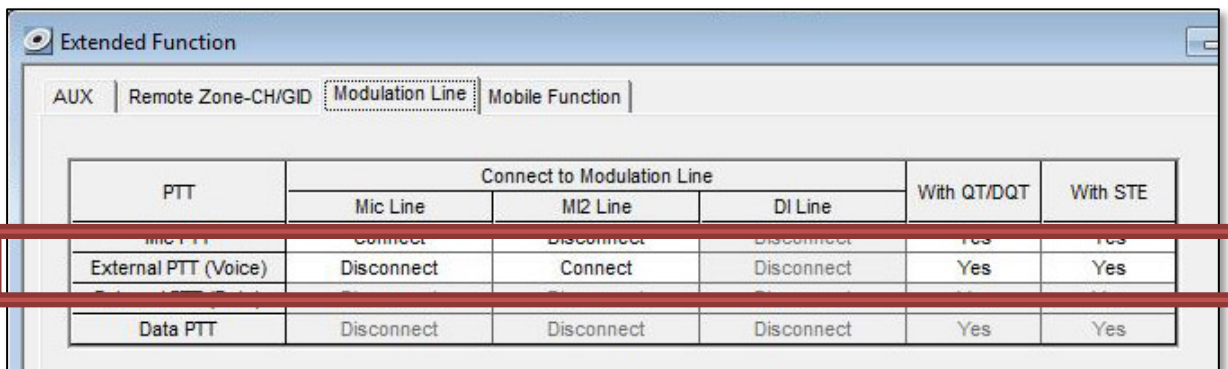
Front Mic
 MI2

AUX Output

LOK Logic Signal: Continuous

AUX Output Status Message

State Hold Timer (Active Low) [s]: Off
 Status Memory



Extended Function - Modulation Line

PTT	Connect to Modulation Line			With QT/DQT	With STE
	Mic Line	MI2 Line	DI Line		
External PTT (Voice)	Disconnect	Connect	Disconnect	Yes	Yes
Data PTT	Disconnect	Disconnect	Disconnect	Yes	Yes

Changing of Signal Type NX720/820

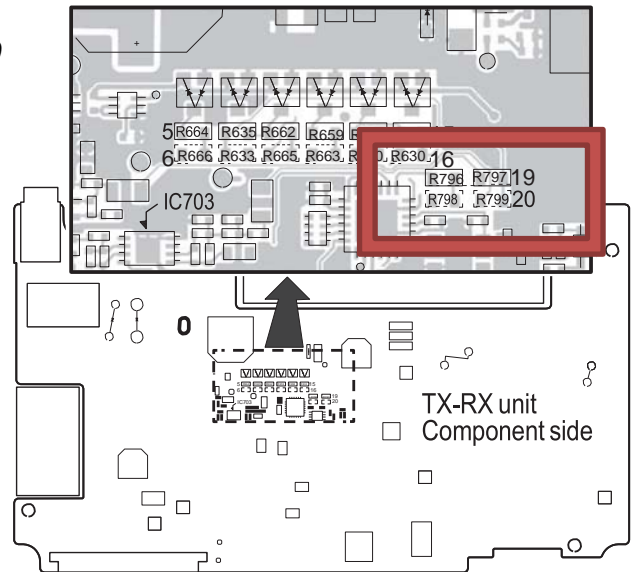
Information from the service manual of NX-720

Change signal output of D-SUB connector from DEO to AFO

The output (pin4) of D-SUB 15-pin connector is configured at the DEO as the default value. Remove the R796 chip jumper and solder the clip jumper to R798.

Change signal input of D-SUB connector from DI to MI2

The input (pin5) of D-SUB 15-pin connector is configured at the DI as the default value. Remove the R797 chip jumper and solder the chip jumper to R799.



Changing of Signal Type NX3720/3820

Information from the service manual of NX-3720

2.3.6 Changing of Signal Type

2.3.6.1 Change signal output of D-SUB connector from DEO to AFO

The output (4pin) of D-SUB 15-pin connector is configured at the DEO as the default value.

Remove the R813 chip jumper and solder the clip jumper to R812.

2.3.6.2 Change signal input of D-SUB connector from DI to MI2

The input (5pin) of D-SUB 15-pin connector is configured at the DI as the default value.

Remove the R859 chip jumper and solder the chip jumper to R801.

