Cable Kit 3035/02
Interface 3009/38

Mimer SoftRadio – Kenwood NX-5800-series

Remote functionality

This cable kit will together with the Mimer Network Interface 3009/38 give remote control of the radios audio and PTT functions.

It will also give a Virtual Control Head with a limited set off functions. Please see webpage for details.

Virtual Control Head

Radio programming

- GPIO Pin 13 shall be programmed for external PTT active low.
- The External PTT (voice) shall be connected to the MI2 line.
- Data settings, see attached screen shot.
- To avoid audio in the fixed radio speaker, program minimum volume according to attached screenshot and set the radios volume control to zero.

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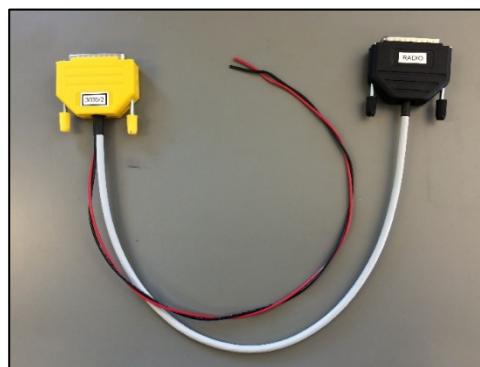
Radio Hardware setting

There are no hardware changes needed.

Cable Kit

The yellow connector to the interface, and the black connector to the radio!

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

The network interface consumes max 0,3A.

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Screen shots from the radios programming software

Microphone and PTT settings

Data settings

- Set COM Port 2 as below
- PC Interface Protocol to Version 2
- Tick the box for J Command Serial Output

Serial Interface

COM port No.	Function	Polarity	Stop Bit	Baud Rate	Flow Control
COM port 0	None	Normal	2	9600	None
COM port 1	None	Normal	2	9600	None
COM port 2	Data	Normal	2	9600	None
COM port Bluetooth	None				None

COM Port Priority Serial Data ▼

PC Interface Protocol Version 2 ▼

Serial Output
☑ J Command Serial Output

Serial Input
☐ Data Override

Volume

To avoid that the fixed radios loudspeaker is open, do the following settings.

Program Audio Volume to "Lowest Limit" and set the Minimum Volume to zero.

Turn the volume down to zero on the radios front panel and then turn the radio off and on again.

Virtual Control Head functions

Settings for: Control head size and radio display in SoftRadio

Display, resembles the radio

LED indicators

Fixed function keys

Channel select