Cable Kit 3033/02
Interface 3009/10

Mimer SoftLine

Remote functionality
Two interfaces and two cable kits will give a virtual 4-wire line connection over IP.

The interface has line transformers in/out to fit most equipment with line levels, -10dB over 600 Ohm.

There are also two I/O connections in each direction, where a logical input at one end gives a logical output at the other end.

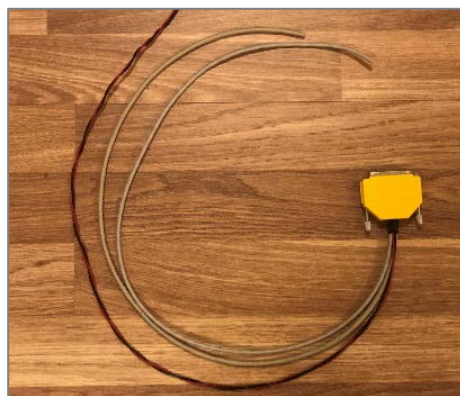Alternatively, other products than radios can be connected, for example a PA system.

Power
Connect the red/black cables to a power source. Typically, 12VDC, 0,5A. Red is positive and black is negative.

Audio output
Preferably connect the outgoing audio from the radio to an output with a fixed level that is not affected by the setting of a volume control on the radios front panel. If that is not possible, set the volume control to 50-60% level.
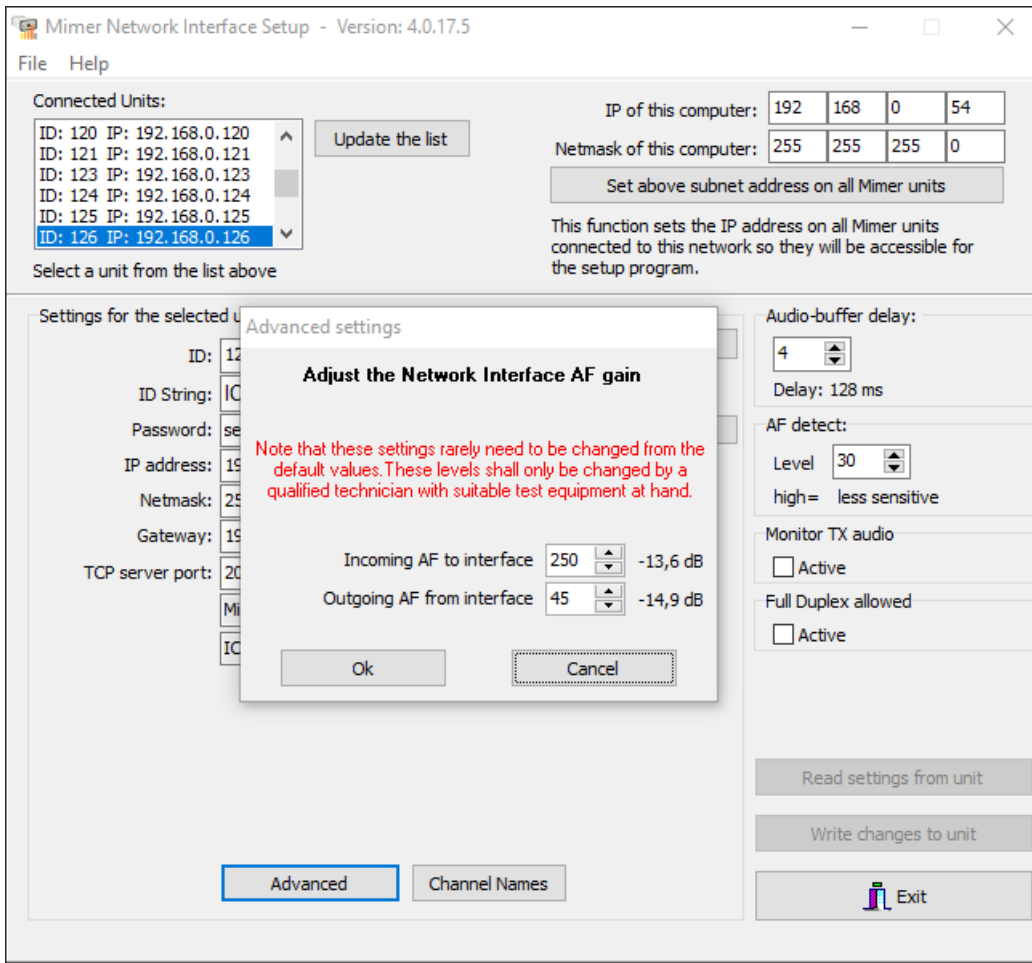
Audio level adjustment
The audio levels in/out between radio and Network Interface can be set in the software "Network Interface Setup". See screen shots on next page.
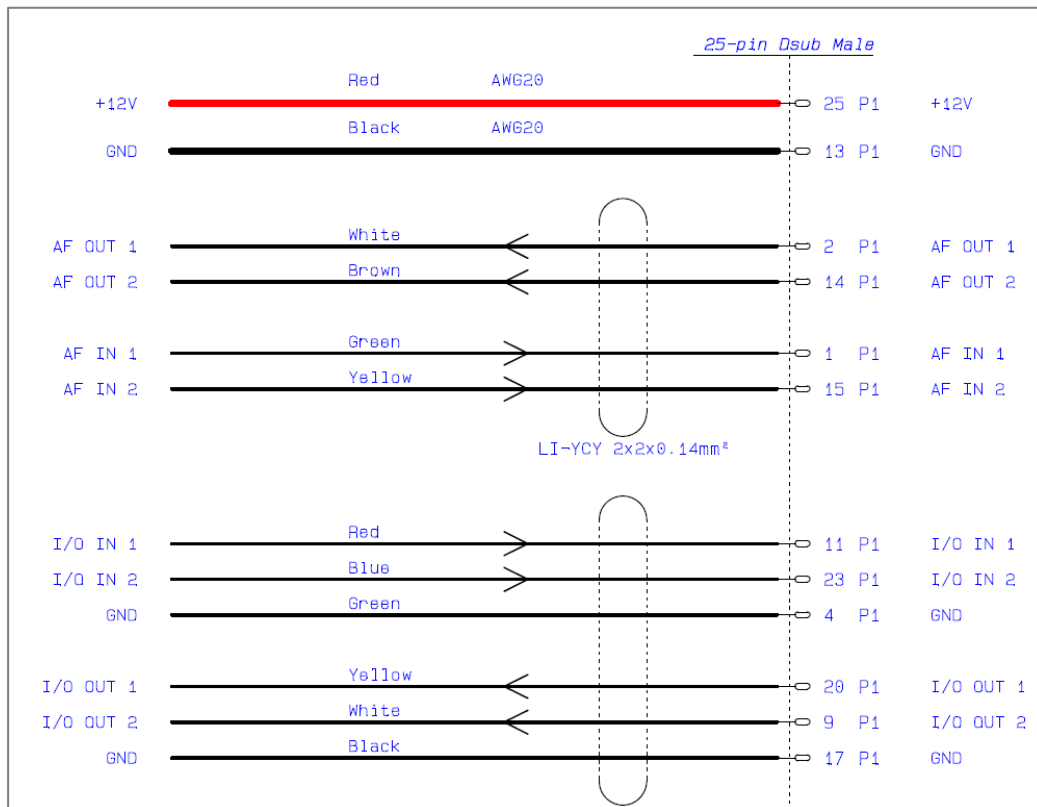

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Screen shots

The key "Advanced" above brings forward the menu for setting of audio levels in/out of the Network Interface.

Cable connection


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                                                    25-pin Dsub Male

                         Red           AWG20
        +12V ──────────────────────────────────────○ 25  P1      +12V
                         Black         AWG20
        GND ───────────────────────────────────────○ 13  P1      GND


                         White
    AF OUT 1 ──────────────────────────< ──────────○ 2   P1      AF OUT 1
                         Brown
    AF OUT 2 ──────────────────────────< ──────────○ 14  P1      AF OUT 2

                         Green
     AF IN 1 ──────────────────────────> ──────────○ 1   P1      AF IN 1
                         Yellow
     AF IN 2 ──────────────────────────> ──────────○ 15  P1      AF IN 2

                         LI-YCY 2x2x0.14mm²


                         Red
     I/O IN 1 ─────────────────────────> ──────────○ 11  P1      I/O IN 1
                         Blue
     I/O IN 2 ─────────────────────────> ──────────○ 23  P1      I/O IN 2
                         Green
         GND ─────────────────────────────────────○ 4   P1      GND


                         Yellow
    I/O OUT 1 ─────────────────────────< ──────────○ 20  P1      I/O OUT 1
                         White
    I/O OUT 2 ─────────────────────────< ──────────○ 9   P1      I/O OUT 2
                         Black
          GND ────────────────────────────────────○ 17  P1      GND
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Usage of the I/O´s

The I/O´s are connected in pairs so that input to I/O IN1 on one interface will trigger an output at I/O OUT1 on the other interface. All together giving 2 I/O´s in each direction.

Inputs	On = 2.5-30V / Off = 0-0.8V, 47kohm impedance to ground. Optional reverse-current protected 5.6kohm pull-up to +5V
Open collector outputs	Max 30V / Max 10mA. Reverse-current protected 5.6kohm pull-up to +5V. Pull-up can optionally be disconnected.