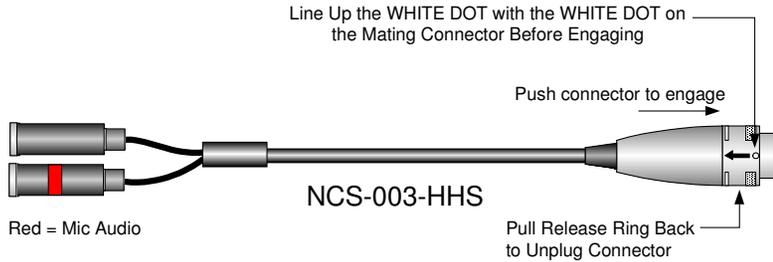


### Using the *PRO 7 iC* with the NCS-C003 Headset Interface Box

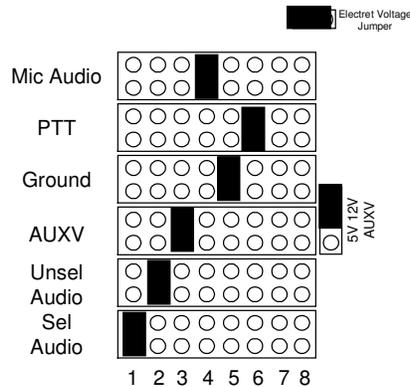
To connect the *PRO 7 iC* to the NCS-C003 Headset Interface Box requires the NCS-003-HHS Headset Adaptor Cable. The two *PRO 7 iC* 3.5 mm phone plugs connect to their respective jacks on the Headset Adaptor Cable. Make sure the headset plug with the RED band (mic audio) is connected to the adaptor cable jack with the RED band. Connect the *Soft Touch* PTT switch or alternatively the optional NCS-F230 Hand Switch or NCS-F221 Footswitch to the ¼ inch phone jack on the front panel of the NCS-C003.



### Installation of Microphone Jumpers in the NCS-C250

Microphone jumpers must be installed in the NCS-C250 to match the pin outs of the NCS-C003 Headset Interface Box. The proper installation of the mic jumpers for use with the NCS-C003 and adaptor cable is shown below. After all jumpers are installed refer to the NCS-C250 Instruction Manual and set the mic audio level for proper audio output.

The *Sel Audio* and *Unsel Audio* jumpers can be swapped to reverse the audio in the headset earpieces.



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## NCS-E336

### Heil Sound *PRO 7 iC* HEADSET



# collcomm inc

## Contents

- ❖ (1) Headset
- ❖ (1) Soft Touch PTT Switch
- ❖ (1) Detachable Headset Cord - Straight
- ❖ (1) Detachable Headset Cord - Coiled
- ❖ (2) Earmuff Cover

## Features

- ❖ High Output Electret Microphone Element
- ❖ Acoustically Tuned Earpieces for Distortion Free Sound
- ❖ Speaker Phase Reversal Switch
- ❖ 2" Thick Gel Foam Ear Pads
- ❖ Stereo earpieces for Dual Receiver Operation
- ❖ 26 dB of Passive Noise Reduction (PNR)

## Mechanical Adjustments

The headband is made of Stainless Steel and is surrounded by 1" thick foam padding. To adjust the pressure of the earpads simply flex the stainless steel band to achieve the desired fit as shown in the photo. Adjustments to the headband size are made by two thumbscrews on either side of the headband.



## Microphone Element

The Heil *Pro 7 iC* is equipped with a high output electret (iC) microphone element. The electret element has a -3dB fixed point at 35 Hz and 12kHz with the sensitivity of -48dB at 1500 ohms output centered at 1kHz.

## Termination

### Microphone Audio

The microphone audio cable is terminated with a 3.5 mm mono phone plug. A RED band around the phone plug identifies the microphone plug.



### Earpiece Audio

The earpiece audio cable is terminated with a 3.5 mm stereo phone plug.

## Balance Control

The Balance Control adjusts the audio level between the two earpieces.



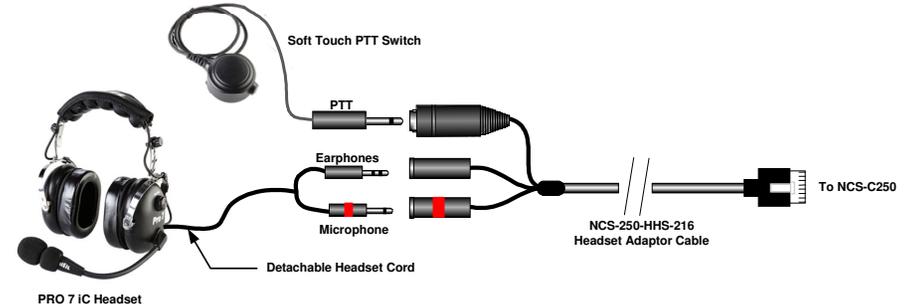
## Phase Reversal Switch

The Phase Reversal Switch has little effect when listening to FM transmissions. It was designed for use in the high frequency (HF) spectrum for copying weak signals in a crowded band. Signals out of phase arrive at slightly different times, thus some are slightly canceled while others are accentuated which becomes a perfect tool for copying weak signals.



## Using the PRO 7 iC with the NCS-C250 Mobile Multi-Switcher

To connect the *PRO 7 iC* to the RJ45 mic jack on the NCS-C250 requires the NCS-250-HHS-216 Headset Adaptor Cable. The RJ45 plug on the adaptor cable connects to the mic jack on the front or rear of the NCS-C250. The two *PRO 7 iC* 3.5 mm phone plugs connect to their respective jacks on the Headset Adaptor Cable. Make sure the headset phone plug with the RED band (mic audio) is connected to the phone jack with the RED band on the headset adaptor cable. The included *Soft Touch* PTT switch is connected via the 1/4 inch phone jack on the Headset Adaptor Cable. Alternatively, the optional NCS-F230 Hand Switch or NCS-F221 Footswitch can also be connected to this phone jack.



## Installation of Microphone Jumpers in the NCS-C250

Jumpers must be installed in the NCS-C250 so that the RJ45 mic jack pin-outs on the front and rear panels match that of the NCS-250-HHS-216 Headset Adaptor Cable. Refer to the NCS-C250 Instruction Manual for detail instructions on setting these jumpers.

The proper placement of the mic jumpers for use with the NCS-250-HHS-216 Headset and adaptor cable is shown below. After all jumpers are installed refer to the NCS-C250 Instruction Manual and set the mic audio level for proper audio output.

The *Sel Audio* and *Unsel Audio* jumpers can be switched to reverse the audio in the headset earpieces.

