

bhi

Compact In-Line

Handheld stereo/dual channel
DSP noise eliminating In-Line module



Compact battery operated handheld dual channel DSP noise cancelling unit

- ◆ New improved dual channel DSP noise cancelling algorithm
- ◆ Processed speech clearer and more intelligible
- ◆ Use with mono, stereo or two separate audio channel inputs
- ◆ Ideal for mobile use, DXing and special event stations
- ◆ Use with headphones or a small speaker
- ◆ Easy to use rotary controls for all functions
- ◆ Over 40 hours battery life
- ◆ Audio and visual indication of filter level
- ◆ Microprocessor controlled functions

Remove the noise and hear the speech!

Introduction

The new bhi Compact In-Line DSP noise cancelling module provides two channel/stereo and mono noise cancellation, and is suitable for use on all radios and receivers including SDR, especially those with stereo or two channel output options. It can also be used with standard mono speaker input and output signals using the stereo lead supplied. The Compact In-Line incorporates bhi's new dual channel DSP noise cancelling technology, which has an improved noise cancelling algorithm making the processed speech clearer and more intelligible as a result. The Compact In-Line is designed to be used mainly with headphones but can drive a 4 or 8 ohm mono speaker. This compact battery operated unit only weighs 122 grams so it is ideal for mobile use. Just connect your radio to the 'Speaker In' or 'Line In' sockets, and headphones to the 'Phones' output socket and you are up and running!

Technical Specifications

Power Supply

External supply: 8 to 16V (nominally 30mA, max 350mA peak)
Reverse polarity protected.

Internal batteries Type: AA x 2 (Alkaline or NiMH recommended)
Reverse polarity protected.
Low battery indication threshold: 2.1V \pm 0.1V
Low battery indication: LED colour changes to red.
End-of-life threshold: <1.5V
Life: 40 hours typical (Alkaline or 2500mAh NiMH).
Auto power off: 60 minutes if input signal < 60mVpk-pk
Auto power-off can be disabled if desired

Audio Inputs

Speaker level in: Stereo or Mono
Input impedance ~ 7ohms
Max withstand input power: 2 Watts RMS/channel
Max input amplitude 3.9v pk-pk

Line level in: Stereo or Mono
Input impedance: 6.7 ohms typical
Max input amplitude: 1.6v pk-pk

Overload indication: LED flashes for at least 3 seconds

Audio outputs

Phones out: Stereo or Mono
Impedance: > 4 Ohms (Can also be used as Line Level output).
Max power output: 0.2 Watts RMS per channel
Volume levels: 6 levels in 3dB .

DSP Noise filtering

Modes: Enabled / Disabled (0dB suppression)
Levels: 8
Noise suppression: 9 dB typical (Level 1)
40 db typical (Level 8)

Ordering and accessories

Order code: A-COMPACT IN-LINE – Supplied with 1030-FPL fused DC power lead with 1.3mm to 2.1mm power socket adapter, ALD-007 3.5mm stereo plug to plug lead 1.2M long and a user manual.

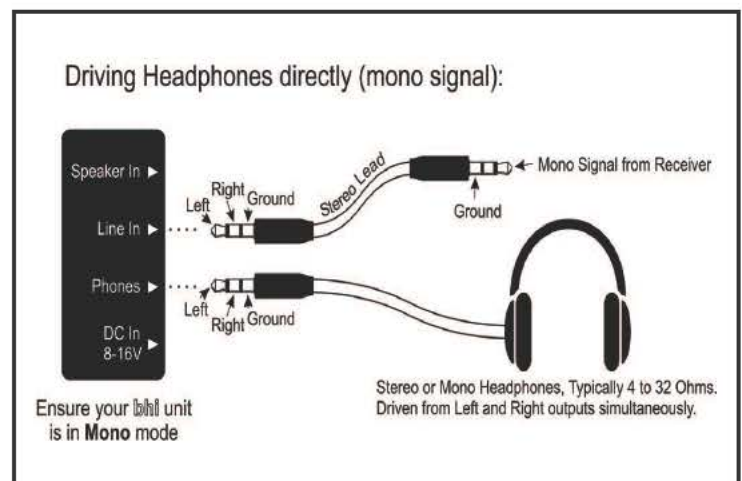
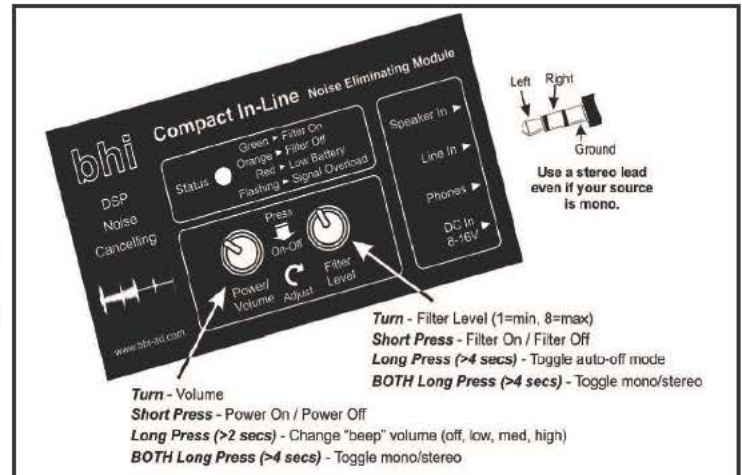
Accessories/optional extras: See our website for more information on all our accessories and other amateur radio products.

1030-UKPA – UK 12V DC 500mA mains plug-in power supply 2.1mm plug Centre +VE. (use with 1.3mm adapter supplied with unit).

1030-EUPA – European 12V DC 500mA mains plug-in power supply 2.1mm plug Centre +VE. (use with 1.3mm adapter supplied with unit).

ALD-008 - 3.5mm stereo jack plug to 3.5mm jack plug lead 3M long.

How to order: Contact bhi or one of their authorised dealers to place an order.



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