



THE SMART LINK TO HF

ADSP² Speaker Manual

1 Specifications

General

Size	3" X 5" X 2-1/2"
Weight	11 oz

Audio Limits

Min Input	100 mV RMS
Max Input	5 volt RMS
Power Output	5 Watts RMS
Current Consumption	
Idle	110 mA
Full Out	500 mA
Out of Band Rejection	-45 dB
Noise Floor	-60 dB

Functions

	1 st Click	2 nd Click	3 rd Click
Noise Reduction (Red Button)	13 d	26 dB	0 dB
Filter Selection (Black Button)	1800 Hz	500 Hz	100 Hz
Time Delay	6.5 ms	13 ms	
Tone Rejection	-50 dB	-65 dB	

2 ADSP² Speaker Connections

There are only two connections to make with your ADSP² Speaker: 12VDC Power and Audio In.

2.1 12 VDC Power



A black wire and a red wire are provided without connectors for 12 VDC power. The red wire should be connected to 12 VDC and the black wire to ground. The speaker unit should operate well with voltages from 10-15 volts. The unit itself is protected against power reversal, so there will be no harm if it is connected backwards inadvertently.

2.2 Connecting to your Speaker Output



ADSP² Speaker connects directly to your Speaker or Headphones jack on your transceiver. The audio connection is provided with a monaural mini-plug connector. If your receiver uses another connection, you may either replace the existing connector or use an adapter selected to fit your needs.



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3 Speaker Operation

The ADSP² Speaker operation is easy with a “One Touch” control for noise reduction and tone interference rejection. When power is applied to the ADSP² Speaker, a small red LED will light behind the front grill to let you know power is on. On initial power up, the speaker is in bypass mode and the audio signal is connected directly to the speaker. When the first level of noise reduction is enabled, one green LED will light. When the second level of noise reduction is enabled, two green LEDs will light. There is no LED indication for the filter level, which can be determined by sound.

4 Troubleshooting

At times, the LEDs may become out of sequence. When this or other problems occur, un-hook the power and re-apply. This should re-set the speaker. For other questions, contact SGC technical support.

5 Standard Warranty

SGC LIMITED PRODUCT WARRANTY (1 Year Parts and Labor) And SOFTWARE LICENSE

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