

## 15 series - headphones

### 15-148

#### PROFESSIONAL SERIES HEADPHONES

Lightweight stereo headphones with Samarium Cobalt magnets. Weight is less than 6.5 oz. for continuous listening. Cord is 7 ft. long terminated with a gold 1/4" stereo phone plug.

##### Specifications

Impedance .....	600 Ohms	Sensitivity .....	105 dB
Frequency Range .....	18-22,000 Hz	Weight .....	175 grams
Max. Power Input .....	3.1v (300mW)	Color .....	Black



### 15-120

#### PROFESSIONAL SERIES HEADPHONES

Lightweight stereo headphones. Weight is less than 6 oz. for continuous listening. Cord is 7 ft. long terminated with a 1/4" stereo phone plug.

##### Specifications

Impedance .....	40 Ohms	Sensitivity .....	105 dB @ 1mW
Frequency Range .....	20-22,000 Hz	Weight .....	160 grams
Max. Power Input .....	100mW	Color .....	Black



### 15-116

#### PROFESSIONAL SERIES HEADPHONES

Lightweight stereo headphones. Weight is less than 6 oz. for continuous listening. Cord is 7 ft. long terminated with a 1/4" stereo phone plug.

##### Specifications

Impedance .....	32 Ohms	Weight .....	110 grams
Frequency Range .....	25-20,000 Hz	Color .....	Black
Max. Power Input .....	100mW	Color of Pads .....	Blue
Sensitivity .....	95 dB @ 1mV		



### 15-118

#### STEREO-MONAURAL HEADPHONE

High-velocity 57 mm mylar diaphragm drive units. Padded adjustable headband and earmuffs. Independent volume controls and stereo/mono switch with 1/4" phone plug.

##### Specifications

Frequency Response .....	20-20,000 Hz	Acoustic System .....	Closed back
Impedance .....	32 ohms	Sensitivity .....	102 db at 1 mW
Maximum Power Input .....	100 mW	Length of Cord .....	9 ft. with 1/4" stereo phone plug
Color .....	Black	Weight .....	300 grams



### 15-122A & 15-123

#### STEREO-MONAURAL HEADPHONES

Designed for general and educational use. Rugged construction, yet provides excellent listening comfort. Complete with padded ear cushions. Stereo/Monaural switching.

##### Specifications for 15-122A:

Frequency Response .....	30-18,000 Hz
Impedance .....	8 ohms
Length of Cord ...	10 ft. spiral w/ stereo 1/4" phone plug
Color .....	Black

##### Specifications for 15-123:

Frequency Response .....	30-18,000 Hz
Impedance .....	600 ohms
Length of Cord .....	10 ft. with stereo 1/4" phone plug
Color .....	Black



# CALRAD

## 15 series - headphones

### 15-135 or 15-135-RA

#### DYNAMIC STEREO-MONAUURAL HEADPHONE

Expertly styled, well padded headband and earphones for snug, comfortable fit. Finely finished in black color. Stereo/Mono switching with individual volume control on each phone for perfect balance. Also available with right angle 1/4" plug (15-135-RA).

##### Specifications

Frequency Response.....	20-20,000 Hz	Cable.....	10 ft. spiral, 3-cond. with stereo 1/4" phone plug
Impedance.....	8 ohms	Sensitivity.....	102 dB at 1 mW
Maximum Power Input.....	100 mW	Weight.....	320 grams
Color.....	Black		



### 15-144 PROFESSIONAL STEREO HEADPHONE WITH BOOM MICROPHONE

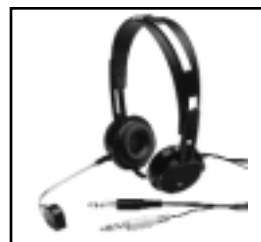
Excellent quality, used for broadcast monitors, switchboard, intercom and general communication work, headphone and microphone can be used simultaneously or independently. 1/4" plugs.

##### Headset Specifications:

Impedance.....	32 Ohms
Frequency Range.....	25-20,000 Hz
Max Power Input.....	100 mW
Sensitivity.....	95dB @ 1mW
Cord Length.....	3 ft.
Color.....	Black

##### Microphone Specifications:

Impedance.....	300 Ohms
Sensitivity.....	-80dB @ 1kHz
Frequency Response.....	100-10 kHz
Color.....	Black



### 15-110 STETHOSET-TYPE MINI STEREO HEADPHONE

Stethoset type stereo headphones. Has two style ear cushions included. One is foam style and the other is soft rubber for use when conditions warrant. Supplied with a right angle 3.5 mm stereo plug and 1/4" stereo adapter.

##### Specifications

Frequency Response.....	20 - 20,000 Hz	Cord Length.....	4 ft.
Impedance.....	32 Ohms	Weight.....	25 grams
Power.....	50mW	Color.....	Black
Sensitivity.....	100dB @ 1mW	Color of Ear Pieces.....	Gray



### 15-143 MINI STEREO HEADPHONES

##### Specifications

Frequency Response.....	20-18,000 Hz	Sensitivity.....	96 dB S.P.L. at 1 KHz ± 2%
Impedance.....	32 ohms ± 3%	Cord Length.....	1.2 m ± 3%
Maximum Power Input.....	100 mw	Plug.....	3.5 mm stereo
Color.....	Black		



### 15-145A (straight plug)

### 15-145A-RT (right angle plug/includes 3.5mm to 1/4" adapter 35-550/includes extra ear pads)

#### MINI STEREO HEADPHONES

Ultra lightweight, less than 2 oz, yet high performance with 27 mm mini mylar drivers—excellent replacement for most portable cassette and compact disc players.

##### Specifications

Frequency Response.....	20-20 kHz	Sensitivity.....	100 dB 1000 Hz
Matching Impedance.....	4-32 ohms	Cord Length.....	4 ft. w/3.5 mm stereo plug
Color.....	Black		



### 15-111 3.5mm STEREO MINI SPEAKER

This small rugged cabinet with water resistant speakers is perfect for portable walkman type stereo equipment. Provides the ability to hear audio for personal or group listening. A male 3.5mm stereo plug is provided for use with most headphone jacks. Max power input 600mw. The unit measures only 3-3/4" Wide x 2" High x 3/4" Deep. Cabinet color: Black. Use Calrad 55-921 cables for extending the 15-111 away from the stereo device.



## 15 series - & headphones & headphone junction boxes

### DYNAMIC EARPONES

Earphones for most transistor radios, cassette recorders, and television private listening. Most popular types listed below. Color is ivory.

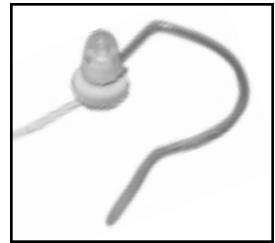
**15-93-20** ..... 2.5mm sub-miniature plug with 20 ft. cord    **15-96** ..... 12 ft. Low impedance-3.5 mm plug  
**15-95** ..... 6 ft. Low impedance-3.5 mm plug



### REPLACEMENT EARPONES

Frequency response 50Hz - 4KHz cps. Flesh colored plastic case, flex cord with miniature phone plug and closed circuit jack. Excellent for transistor radios, etc. Color is ivory.

**15-103-3** ..... 3 ft. cord    **15-104** ..... 5 ft. cord, sub-miniature 2.5 mm plug  
**15-103-5** ..... 5 ft. cord    **15-106** ..... 20 ft. cord, 3.5 mm plug

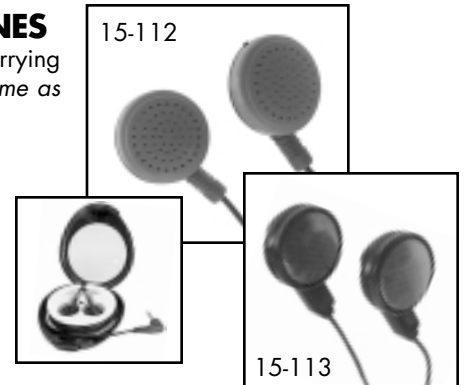


### 15-112 & 15-113 EARBUD MINI STEREO HEADPHONES

Earbud stereo headphones with open back design. Comes with a compact carrying case with see-thru design. Right angle 3.5 mm gold stereo plug. *15-113 Same as 15-112 except earbuds are larger in design.*

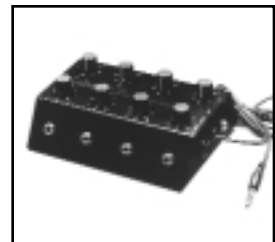
#### Specifications

Frequency Response.....	20-20 KHz	Cord Length.....	3 ft.
Impedance.....	8-32 ohms	Weight.....	10 grams
Sensitivity.....	85-100dB @ 1mW	Color.....	Black



### 15-131 STEREO & MONAURAL HEADPHONE JUNCTION BOX

Used with many school teaching systems and language labs, provides private listening for 8 individual persons. Individual volume control for each channel. Can be gang connected. Operates from any 8 ohm output source to 8 ohm headphones. Supplied in black crackle finish, 9 ft connecting cable with standard 1/4" phone plug. Has 4 non-slip rubber feet. Size: 8" long x 6 1/4" W x 3 1/4" H. (Individually boxed.) 50 watts maximum load.



### 15-132 PROFESSIONAL HEADPHONE JUNCTION BOX

Provides equal signal output to 6, 1/4" headphone jacks without effecting the overall input signal. Both XLR and 1/4" inputs are provided for signal delivery. The side mounted 1/4" output jack allows connection of additional 15-132 headphone boxes in a daisy chain configuration. Designed to operate 8-600 ohm headphones. Power handling capacity 50 watts max. Size: 4 3/4" L x 3" W x 1 3/4" H.



# CALRAD

## 15 series - wireless headphone system

### 15-300 INFRARED HEADPHONE SYSTEM

The 15-300 is an Infrared Headphone System consisting of one main transmitter and three slave units. These may be wired in a daisy chain affair for large auditoriums, or you can use the master alone for small rooms. The system transmits on a single channel frequency in stereo. The main transmitter has direct inputs for microphone and line level signals. No amplifier is required. The system comes complete with all hookup cords, (4) cables 25', (4) cables 6', and support bases for slave units. An optional 24Vdc power supply, part number 45-300\*, is required.

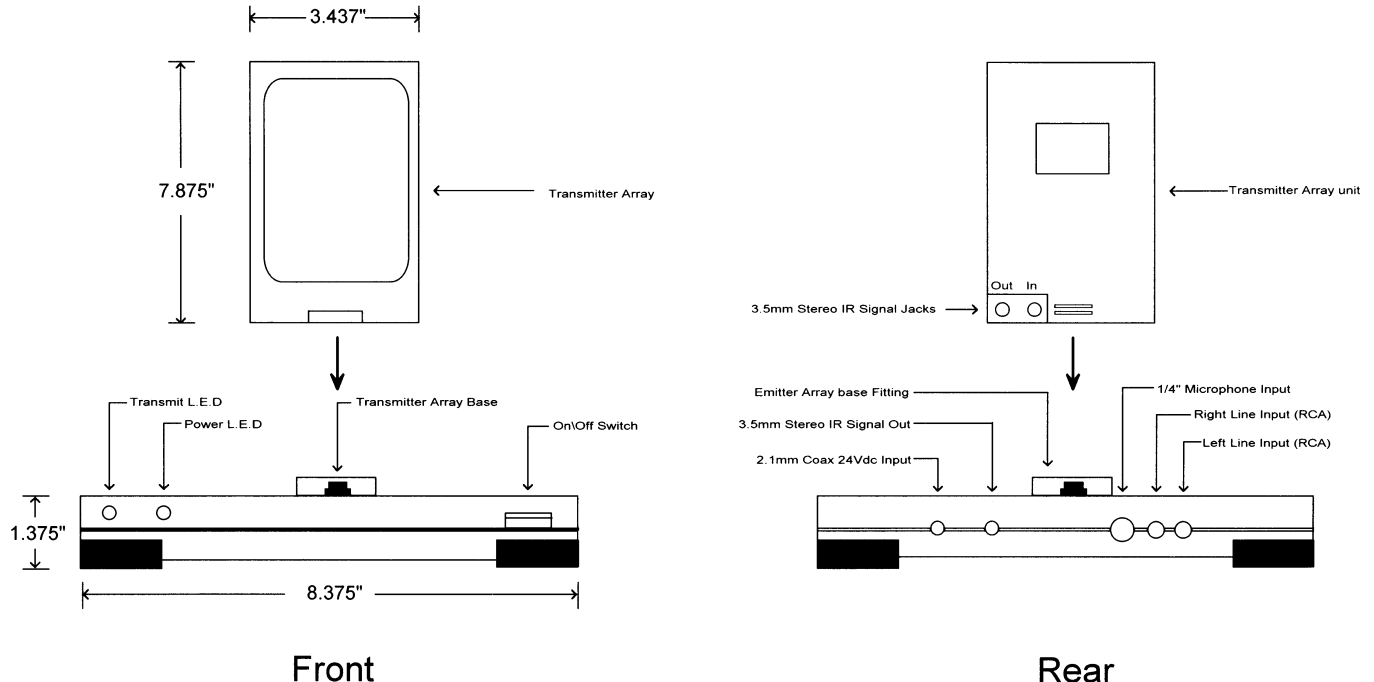
Main Transmitter Size ..... 8" wide x 4" deep x 1" tall  
 Slave Unit Size..... 4" wide x 1" deep x 8" tall

### 15-150R IR RECEIVER\*

The receiver pictured at right is lightweight and has an individual volume control. Several different headphones are available for use with the 15-150R. A special adapter, part number 35-553\*, can also be used to connect two headphones to (1) receiver. Receiver requires one 9V battery, not included.

Main Transmitter Size..... 2 3/4" wide x 4 1/2" deep x 1 3/4" tall

\* sold separately



### Specifications: 15-300 Transmitter

Frequency Response .....	40 - 18Khz (-3db)
Line input sensitivity for normal swing .....	200-400 mv
Line input Impedence.....	47K
Mic input Impedence.....	Low \ High Z
Output Frequency .....	(95Khz, 250KHZ)
Transmitter Output Distance .....	36'
T.H.D (at I/P 1Khz 500mw).....	< 1.5%
IR Emitter Units Current Consumption.....	260ma Ea.
Channel Separation .....	>40db
Power Supply.....	24Vdc @ 1.5Amps