

# ***RTS***

## Headsets



The popular RTS earsets are precisely designed for inconspicuous listening while on camera. Used by nearly all major television networks and stations, we have surpassed industry standards. The extremely efficient miniature driver element requires only nominal operating power and enables the announcer to hear program cues while working with a live microphone. The units are also suitable for many other applications such as live theater script prompting.

### Typical Set-Up

To provide optimum versatility, the announcer's earset is made up of interchangeable components that simply snap together. Users can construct a version of the announcer's earset that best suits their particular needs. Some popular combinations are available as a standard configuration; these are listed below.



Cable

+



Receiver

+



Eartube

+



Earcone



= Complete Set

### Complete Earsets



**EMV-2** includes:  
RTV-04, CMT-2, AEF-3B



**CES-1** includes:  
RTV-04, CMT-2, ET-4



**CES-2** includes:  
RTV-04, CMT-98, ET-4

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### Telethin® Magnetic Receivers

Telethin Magnetic Receivers, available in 4 different impedances, permits choice of impedance for any application. For inconspicuous use, the receiver is extremely small and lightweight.



<b>RTR-04</b>	15 Ω
<b>RTV-04</b>	125 Ω
<b>RTW-04</b>	500 Ω
<b>RTX-04</b>	1000 Ω
<b>RTY-04</b>	2000 Ω

## Standard Telethin® Cord Sets

The standard earset system comes equipped with a 5', low luster gray or beige cord with a 1/4" connector. A variety of other cords with or without volume controls are available as components.



**CMT-95**  
Straight cord with sub-miniature straight connector



**CMT-98**  
Straight cord with straight miniature connector



**CMT-2**  
Straight cord with sub-miniature straight connector



**CMT-92**  
Straight cord with right angle miniature connector



**CCX-2**  
Coiled cord with right angle miniature connector



**CCT-2**  
Coiled extended cord with 1/4" connector

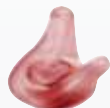
## Earmolds/Earcones/Eartips

For maximum comfort and convenience, three pliable earmolds (S, M & L) are available for either the left or right ear. The Telethin receiver easily attaches into the earpiece directing sound into the ear canal and limiting ambient noise.

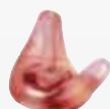
### Earmolds



**EML-1R**  
Large, right ear  
**EML-2L**  
Large, left ear



**EMM-1R**  
Medium, right ear  
**EMM-2L**  
Medium, left ear



**EMS-1R**  
Small, right ear  
**EMS-2L**  
Small, left ear

### Earcones



**BT-4**  
Bag of 5 large earcones for use with ET-4



**BT-3**  
Bag of 5 medium earcones for use with ET-4



**BT-2**  
Bag of 5 small earcones for use with ET-4

### Eartips



**ET-1B**  
Eartip, soft silicone tip, clear colored, with metal plug



**BT-1**  
Bag of 25 replacement eartips, clear colored, for use with ET-1B

## Cords

The cords with in-line volume control are equipped with clothing clips for out of sight, waist-level positioning. To avoid loss of cues, the volume control will not shut off completely.



**VXT-3**  
500  $\Omega$  volume control with 1/4" connector

**VYT-3**  
2000  $\Omega$  volume control with 1/4" connector

## Eartubes

These inconspicuous clear plastic tubes carry the sound effectively from a RTS Telethin receiver to the talent's ear without revealing the cord to the camera. The clear tubes are available in 3 versions. All connect easily to a RTS eartip, earcone or any size earmold and have a handy clothing clip to secure the system in place.



**ET2**  
Coiled acoustic eartube with clothing clip for use with earmolds or eartip



**ET4**  
Coiled acoustic eartube with clothing clip for use with earcones — comes with one each — S, M & L earcones



**ET3**  
Straight acoustic eartube with clothing clip for use with earmolds or eartip

## Earloops

The nylon or plastic covered metal earloop holds the eartip or receiver in place on the ear.



**AEF-3B**  
Nylon earloop



**AEF-2**  
Plastic covered metal earloop

**AFC-1** (not shown)  
Under-chin tube and foam cushion

The RTS lightweight headsets provide users with an ideal combination of functionality and comfort. The PH-44 and PH-88 models offer users an efficient and durable standard headset while the MH models accommodate the needs of those who are looking for the added features of a premium headset.



### PH-88

Single-sided Headset with Flexible Dynamic Boom Mic

The PH-88 headset is a super lightweight, single-sided headset for the ultimate in daylong comfort. The PH-88 features high quality dynamic earphones with a dynamic-noise cancelling microphone with a semi-rigid, fully adjustable boom for precise positioning. The high-quality wide band dynamic earphones offer a better fit, isolation and frequency response. Additional versions are available including 4- or 5-pin male or female XLR connectors.

## PH-44

### Dual-sided Headset with Flexible Dynamic Boom Mic

The PH-44 headset is a super lightweight, dual-sided headset for the ultimate in daylong comfort. The PH-44 features high quality dynamic earphones with a dynamic noise-cancelling microphone with a semi-rigid, fully adjustable boom for precise positioning. The high-quality wide band dynamic earphones offer a better fit, isolation and frequency response. Additional versions are available including 4- or 5-pin male or female XLR connectors.





## MH-300

### Single-sided Headset/Headphone

The MH-300 single-sided headset provides the newest design from RTS. It features a rugged, modular design, lightweight construction, installation options and multiple functions beyond the live studio or theater venue. The modular design allows you to interchange modules to allow for the best headset configuration for any environment. The noise-cancelling microphone, combined with the headphone transducers, provide clear and precise communication in noisy environments. Finally, by installing the appropriate module, you can connect to any audio device. Expanded frequency response ensures clear communications and enhanced audio performance.

### MH-302

#### Dual-sided Headset/Headphone

The MH-302 is designed with you, the user, in mind. The headset features a durable modular design, lightweight construction, installation options and multi-functional use. The modular design allows you to interchange modules for any environment. The noise-cancelling microphone, combined with the headphone transducers, provide clear communication in noisy environments. Finally, this headset is not limited to live studio or venue communications. By installing the appropriate module, you can connect to an MP3 player or many other types of audio devices. The MH Series headsets provide clear communications for professional applications including live remote or studio broadcasting, film, TV or theater intercom communications. Expanded frequency response ensures clear communications and enhanced audio performance.





## 8 | Medium Weight Headsets PH Series

The PH Series of medium-weight intercom headsets is considered the industry standard by many users in all different applications. The PH Series features both durability and functionality. With weights between 11–13 oz, these headsets offers the ultimate in daylong comfort.



### PH-1

Single-sided Headset with Flexible Dynamic Boom Mic

The PH-1 is a medium weight, single-sided headset with foam-filled cushions that offer a light feel with moderate isolation from ambient noise. The dynamic noise-cancelling microphone is easily positioned with a unique ball joint for continuous adjustability. Available with 4- or 5-pin male or female XLR connectors.



## PH-2

### Dual-sided Headset with Flexible Dynamic Boom Mic

The PH-2 headset is a medium weight, full cushion, dual-sided headset for the ultimate in daylong comfort. The headset has foam-filled cushions that offer a light feel with moderate isolation from ambient noise. The PH-2 features a high quality monaural dynamic earphone with a dynamic noise-cancelling microphone on an adjustable ball joint boom that can be positioned on either side of the head. Versions are available with 4-pin male or female connectors.



## PH-3

### Dual-sided Headset with Flexible Dynamic Boom Mic

The PH-3 is a medium weight, dual-sided stereo headset with foam-filled cushions that offer a light feel with moderate isolation from ambient noise. The dynamic noise-cancelling microphone is easily positioned with a unique ball joint for continuous adjustability. Versions are available with 5-pin male or female connectors.

The HR Series of medium-weight intercom headsets features a unique design that is both comfortable and functional. The HR Series provides users with a premium headset option loaded with features. The earcup and ergonomically designed headband provide added comfort through 3 unique pressure settings. This design also provides 21 dB of passive hearing protection. The cord comes terminated in either 4- or 5-pin XLR, male or female and can also be purchased unterminated for custom applications.



### HR-1

Single-sided Headset with Flexible Dynamic Boom Mic

The HR-1 is a single muff, medium-weight passive noise reduction headset with a dynamic noise-cancelling microphone. The ergonomic headband design distributes the ear cushion pressure evenly over the entire ear with no pressure points, ensuring hours of comfortable wear. An added advantage of this headset design is that it folds into compact form for ease of transport and storage. Additional versions are available including 4- or 5-pin male or female XLR connectors.

## HR-2

### Dual-sided Headset with Flexible Dynamic Boom Mic

The HR-2 is a dual-sided, medium-weight passive noise reduction headset with a dynamic noise-cancelling microphone. The headset has a noise reduction rating of 21 dB; suitable for use in a moderately noisy environment. The HR-2 features our unique, soft padded headband for daylong comfort. Our ergonomic headset design distributes ear cushion pressure evenly over the entire ear with no pressure points, unlike conventional headsets. An added advantage of this headset design is that it folds into compact form for ease of transport and storage. Additional versions are available including 4- or 5-pin male or female XLR connectors.



**HFY-91**

Under-the-chin Style Headphone with  
2,000  $\Omega$  Impedance

The HFY-91 is an under-the-chin style headphone terminated with a ¼" phone plug.

**PH-36**

Lightweight, Dual-sided Mono Headphone

The PH-36 is a lightweight, dual-sided mono headphone with a ¼" plug.

**HR-1L & HR-2L**

Medium-Weight, Listen-only  
Headphones

The HR-1L & HR-2L are medium-weight, noise reduction headphones with a noise reduction rating of 21 dB. The HR-1L is a single-sided headset while the HR-2L is a dual-sided headset. The headsets effectively reduce noise and are suitable for use in moderately noisy environments. All models feature a unique, soft padded headband design that distributes ear cushion pressure evenly over the entire ear with no pressure points, unlike conventional designs which apply more pressure on the bottom of the ear than the top. An added advantage of this design is that the headset folds into an extremely compact shape.



## PH-16

Dual-sided Headset with 24 dB, Flexible Dynamic Boom Mic

The PH-16 is a monaural headset with a noise-cancelling dynamic microphone. The PH-16 is designed to fit under a helmet with an environmental protection agency noise reduction rating (NRR) of 24 dB. The headset cord is terminated with a 4-pin XLR female connector. The dynamic receivers have special mounting which resist shock, vibration and acoustic feedback. The PH-16 ear cups are foam lined for added noise attenuation. The vented, foam-filled ear cushions combine comfort with good acoustic seal. For convenience and economy, the receivers and ear cushions are field repairable.



## HS-6A

Telephone-style PTT Handset with Metal Hanger Bracket

The HS-6A is a telephone-style handset that offers a push-to-talk switch, dynamic earphone and dynamic microphone. It is supplied with a metal hanger bracket for vertical storage and is compatible with most user stations. The HS-6A is terminated with an A4F plug. Available in white or black.



### Headsets Accessories

Model	Description
<b>CC-1</b>	Cover Cushion
<b>C3</b>	Ear Cushion, Black for PH-1, -2, -3
<b>C-8</b>	Ear Cushion for PH-44, -88
<b>C-9</b>	Ear Cushion for HR-1, -2
<b>WS-2B</b>	Windscreen for PH-44, -88
<b>PT-400</b>	PTT Kit Locking
<b>AEF-3B</b>	Nylon Earloop, Clear
<b>ET-1B</b>	Eartip, Clear
<b>HE-15</b>	Extension Cable
<b>HE-30</b>	Extension Cable

### MH Headsets Accessories

Model	Description
<b>MH-EC</b>	MH ACC Ear Cushion
<b>MH-WC</b>	MH ACC Dyn Mic Windscreen
<b>MH-HBP+</b>	MH ACC Headband and Side Pads
<b>MH-AAM</b>	MH ACC Aux Audio Module
<b>MH-DMM-QC</b>	MH ACC Dyn Mic Module, Quick Connect
<b>MH-QC-A4M</b>	MH ACC Quick Connect – A4M
<b>MH-QC-A4F</b>	MH ACC Quick Connect – A4F
<b>MH-QC-A5M</b>	MH ACC Quick Connect – A5M
<b>MH-QC-A5F</b>	MH ACC Quick Connect – A5F
<b>MH-FM</b>	MH ACC Filler Module
<b>MH-TP</b>	MH ACC Temple Pad
<b>MH-CC</b>	MH ACC Carry Case
<b>MH-DM-A4M</b>	MH ACC Dyn Module – A4M
<b>MH-DM-A4F</b>	MH ACC Dyn Module – A4F
<b>MH-DM-A5M</b>	MH ACC Dyn Module – A5M
<b>MH-DM-A5F</b>	MH ACC Dyn Module – A5F



## 19" Rackmount Products

Model Name	Type	Mic Sensitivity	Mic Frequency Range	Mic Impedance	Speaker Sensitivity SPL @1kHz,1mW	Speaker Frequency Range	Speaker Impedance	Connector Termination	Cord Length	Weight (not including cord)
PH-88	Single-sided	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	300 Ω	XLR 4-pin Female	5.5'/1.6m	2.5oz/70.8g
PH-88R	Single-sided	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	300 Ω	XLR 4-pin Male	5.5'/1.6m	2.5oz/70.8g
PH-88R5	Single-sided	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	300 Ω	XLR 5-pin Male	5.5'/1.6m	2.5oz/70.8g
PH-88E	Single-sided	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	300 Ω	XLR 4-pin Female coiled cord	2'/0.6m 12'/3.6 extended	2.5oz/70.8g
PH-8S	Single-sided	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	300 Ω	3.5mm 4-conductor	9'/2.7m	2.5oz/70.8g
PH-44	Dual-sided Mono	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	150 Ω	XLR 4-pin Female	5.5'/1.6m	3oz/85g
PH-44R	Dual-sided Mono	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	150 Ω	XLR 4-pin Male	5.5'/1.6m	3oz/85g
PH-44A5	Dual-sided Stereo	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	300 Ω per side	XLR 5-pin Female	5.5'/1.6m	3oz/85g
PH-44R5	Dual-sided Stereo	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	300 Ω per side	XLR 5-pin Male	5.5'/1.6m	3oz/85g
PH-44R6	Dual-sided Stereo	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	300 Ω per side	XLR 6-pin Male	5.5'/1.6m	3oz/85g
PH-44PT	Dual-sided	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	300 Ω per side	Stripped wire	5.5'/1.6m	3oz/85g
PH-88-IC3	Single-sided	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	300 Ω	Dual 3.5mm	9'/2.7m	2.5oz/70.8g
PH-44-IC3	Dual-sided Mono	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	109 dB	100 Hz–7 kHz	150 Ω	Dual 3.5mm	9'/2.7m	3oz/85g
PH-1	Single-sided	-65dBV/Pa @1cm	200 Hz–6 kHz	150 Ω	95 dB	100 Hz–10 kHz	300 Ω	XLR 4-pin Female	5.5'/1.6m	11oz/311.8g
PH-1R	Single-sided	-65dBV/Pa @1cm	200 Hz–6 kHz	150 Ω	95 dB	100 Hz–10 kHz	300 Ω	XLR 4-pin Male	5.5'/1.6m	11oz/311.8g
PH1-R5	Single Sided	-65dBV/Pa @1cm	200 Hz–6 kHz	150 Ω	95 dB	100 Hz–10 kHz	300 Ω	XLR 5-pin Male	5.5'/1.6m	11oz/311.8g
PH1-1PT	Single Sided	-65dBV/Pa @1cm	200 Hz–6 kHz	150 Ω	95 dB	100 Hz–10 kHz	300 Ω	Stripped wire	5.5'/1.6m	11oz/311.8g
PH-2	Dual-sided Mono	-65dBV/Pa @1cm	200 Hz–6 kHz	150 Ω	95 dB	100 Hz–10 kHz	150 Ω	XLR 4-pin Female	5.5'/1.6m	13oz/368.5g
PH-2R	Dual-sided Mono	-65dBV/Pa @1cm	200 Hz–6 kHz	150 Ω	95 dB	100 Hz–10 kHz	150 Ω	XLR 4-pin Male	5.5'/1.6m	13oz/368.5g
PH-2PT	Dual-sided	-65dBV/Pa @1cm	200 Hz–6 kHz	150 Ω	95 dB	100 Hz–10 kHz	300 Ω per side	Stripped wire	5.5'/1.6m	13oz/368.5g
PH-3	Dual-sided Stereo	-65dBV/Pa @1cm	200 Hz–6 kHz	150 Ω	95 dB	100 Hz–10 kHz	300 Ω per side	XLR 5-pin Female	5.5'/1.6m	13oz/368.5g
PH-3R5	Dual-sided Stereo	-65dBV/Pa @1cm	200 Hz–6 kHz	150 Ω	95 dB	100 Hz–10 kHz	300 Ω per side	XLR 5-pin Male	5.5'/1.6m	13oz/368.5g
MH-300	Single-sided	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	100 dB	100 Hz–10 kHz	150 Ω	MH Series headsets are available in 4 or 5 pin, male or female	5.9'/1.7m	8oz/226.7g
MH-302	Dual-sided	-65dBV/Pa @1cm	200 Hz–10 kHz	200 Ω	100 dB	100 Hz–10 kHz	150 Ω	pin, male or female	5.9'/1.7m	10oz/283.5g
HR-1	Single-sided	-65dBV/Pa @1cm	150 Hz–8 kHz	200 Ω	95 dB	100 Hz–3 kHz	300 Ω	XLR 4-pin Female	5'/1.5m	11oz/311.8g
HR-1R	Single-sided	-65dBV/Pa @1cm	150 Hz–8 kHz	200 Ω	95 dB	100 Hz–3 kHz	300 Ω	XLR 4-pin Male	5'/1.5m	11oz/311.8g
HR-1R5	Single-sided	-65dBV/Pa @1cm	150 Hz–8 kHz	200 Ω	95 dB	100 Hz–3 kHz	300 Ω	XLR 5-pin Male	5'/1.5m	11oz/311.8g
HR-1PT	Single-sided	-65dBV/Pa @1cm	150 Hz–8 kHz	200 Ω	95 dB	100 Hz–3 kHz	300 Ω	Stripped wire	5'/1.5m	11oz/311.8g
HR-2	Dual-sided Mono	-65dBV/Pa @1cm	150 Hz–8 kHz	200 Ω	95 dB	100 Hz–3 kHz	150 Ω	XLR 4-pin Female	5'/1.5m	15oz/425.2g
HR-2R	Dual-sided Mono	-65dBV/Pa @1cm	150 Hz–8 kHz	200 Ω	95 dB	100 Hz–3 kHz	150 Ω	XLR 4-pin Male	5'/1.5m	15oz/425.2g
HR-2R5	Dual-sided Stereo	-65dBV/Pa @1cm	150 Hz–8 kHz	200 Ω	95 dB	100 Hz–3 kHz	300 Ω per side	XLR 5-pin Male	5'/1.5m	15oz/425.2g
HR-2A5	Dual-sided Stereo	-65dBV/Pa @1cm	150 Hz–8 kHz	200 Ω	95 dB	100 Hz–3 kHz	300 Ω per side	XLR 5-pin Female	5'/1.5m	15oz/425.2g
HR-2PT	Dual-sided	-65dBV/Pa @1cm	150 Hz–8 kHz	200 Ω	95 dB	100 Hz–3 kHz	300 Ω per side	Stripped wire	5'/1.5m	15oz/425.2g
HR-1L	Single-sided	N/A	N/A	N/A	95 dB	100 Hz–3 kHz	300 Ω	Stripped wire	5'/1.5m	15oz/425.2g
HR-2L	Dual-sided	N/A	N/A	N/A	95 dB	100 Hz–3 kHz	300 Ω per side	Stripped wire	5'/1.5m	15oz/425.2g
PH-36	Dual-sided Mono	N/A	N/A	N/A	109 dB	100 Hz–7 kHz	150 Ω	1/4" plug	5.5'/1.6m	3oz/85g
PH-16	Dual-sided Mono	-65dBV/Pa @1cm	200 Hz–6 kHz	150 Ω	93 dB	100 Hz–3 kHz	150 Ω	XLR 4-pin Female	5.5'/1.6m	15oz/425.2g
PH-16R	Dual-sided Mono	-65dBV/Pa @1cm	200 Hz–6 kHz	150 Ω	93 dB	100 Hz–3 kHz	150 Ω	XLR 4-pin Male	5.5'/1.6m	15oz/425.2g



For information on any of the products featured in this catalog, you can reach us at [info@rtsintercoms.com](mailto:info@rtsintercoms.com)

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