
RTS



RTS Headsets

Earsets

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.



Complete Earsets



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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.

	RTR-04 15 Ohms
	RTV-04 125 Ohms
	RTW-04 500 Ohms
	RTX-04 1000 Ohms
	RTY-04 2000 Ohms

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-1
Eartip, soft silicone tip, salmon colored, with metal plug



BT-1
Bag of 25 replacement eartips, salmon colored, for use with ET-1

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 Ohm volume control with 1/4" connector



VYT-3 2000 Ohm 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-3
Nylon earloop



AEF-2
Plastic covered metal earloop

Earsset components (not shown)

AFC-1 Under-chin tube and foam cushion

Lightweight Headsets

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-44

The PH-44 headset is a super lightweight, dual-sided headset for the ultimate in day-long 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.

PH-88

The PH-88 headset is a super lightweight, single-sided headset for the ultimate in day long 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.



Premium Lightweight Headsets



MH-402

The MH-402 dual-sided ANR (Active Noise Reduction) headset provides the newest design in headset technology from RTS. The battery-powered Active Noise Reduction system targets noise in the environment and drastically reduces it, allowing for clear and precise communications. 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, 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.

MH-302

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.



MH-300

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.

Medium Weight Headsets

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 day-long comfort.



PH-1

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 mic is easily positioned with a unique ball joint for continuous adjustability. Available with 4 or 5 pin male or female XLR connectors. Additional versions are available including 4 or 5 pin male or female XLR connectors.

PH-2

The PH-2 headset is a medium weight, full cushion, dual-sided headset for the ultimate in day long 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

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 mic is easily positioned with a unique ball joint for continuous adjustability. Versions are available with 4 pin male or female connectors.

Medium Weight Headsets

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 combined with a moleskin covered headband and earmuffs. This design also provides 21dB 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

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

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 21dB; suitable for use in a moderately noisy environment. The HR-2 features our unique, soft padded headband for day-long 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.



Monitor Headphones

HFY-91

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



PH-36

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



HR-1L

The HR-1L & HR-2L are medium-weight, noise reduction headsets with dynamic microphones. 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.



Under Helmet

PH-16

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 24dB. 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

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.



Headset Accessories

Model	Description
CC-1	Cover Cushion CC-1
C2	C2 Ear Cushion, Gray
C3	C3 Ear Cushion, Black
C-4	Cushion, Ear
C-5	Ear Cushion
C-8	Ear-Cushion
WS-2	Windscreen Accessory
WS-2B	Windscreen
WS-3	Windscreen Pkgd
PT-400	Ptt Kit Locking
AEF-3B	Nylon Earloop, Clear
ET-1B	Eartip, Salmon Colored
HE-15	Extension Cable
HE-30	Extension Cable

MH Headset Accessories

Model	Description
MH-EC	MH ACC Ear Cushion
MH-WC	MH ACC Dyn Mic Windscreen
MH-BAT	MH ACC Lion Battery
MH-BC	MH ACC Battery Charger w/Adapters
MH-BCA	MH ACC Power Supply Adapters
MH-AAM	MH ACC Aux Audio Module
MH-DMM-QC	MH ACC Dyn Mic Module, Quick Connect
MH-QC-A4M	MH ACC Quick Connect –A4M
MH-QC-A4F	MH ACC Quick Connect-A4F
MH-QC-A5M	MH ACC Quick Connect-A5M
MH-QC-A5F	MH ACC Quick Connect-A5F
MH-FM	MH ACC Filler Module
MH-TP	MH ACC Temple Pad
MH-CC	MH ACC Carry Case
MH-DM-A4M	MH ACC Dyn Module-A4M
MH-DM-A4F	MH ACC Dyn Module-A4F
MH-DM-A5M	MH ACC Dyn Module-A5M
MH-DM-A5F	MH ACC Dyn Module-A5F

Model Name	Type	Mic Sensitivity	Mic Frequency Range	Mic Impedance	Speaker Sensitivity	Speaker Frequency Range	Speaker Impedance	Connector Termination	Cord Length	Weight (not including cord)
PH-88	Single Sided	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	300ohm	XLR 4-pin Female	5.5 ft./1.6m	2.5oz./70.8g
PH-88R	Single Sided	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	300ohm	XLR 4-pin Male	5.5 ft./1.6m	2.5oz./70.8g
PH-88R5	Single Sided	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	300ohm	XLR 5-pin Male	5.5 ft./1.6m	2.5oz./70.8g
PH-88E	Single Sided	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	300ohm	XLR 4-pin Female coiled cord	2 ft./ .6m 12 ft./3.6 extended	2.5oz./70.8g
PH-8S	Single Sided	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	300ohm	3.5mm 4-conductor	9 ft./2.7m	2.5oz./70.8g
PH-44	Dual Sided Mono	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	150ohm	XLR 4-pin Female	5.5 ft./1.6m	3oz./85g
PH-44R	Dual Sided Mono	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	150ohm	XLR 4-pin Male	5.5 ft./1.6m	3oz./85g
PH-44A5	Dual Sided Stereo	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	300ohm per side	XLR 5-pin Female	5.5 ft./1.6m	3oz./85g
PH-44R5	Dual Sided Stereo	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	300ohm per side	XLR 5-pin Male	5.5 ft./1.6m	3oz./85g
PH-44R6	Dual Sided Stereo	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	300ohm per side	XLR 6-pin Male	5.5 ft./1.6m	3oz./85g
PH-44PT	Dual Sided	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	300ohm per side	Stripped wire	5.5 ft./1.6m	3oz./85g
PH-88-IC3	Single Sided	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	300ohm	Dual 3.5mm	9 ft./2.7m	2.5oz./70.8g
PH-44-IC3	Dual Sided Mono	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	109dB SPL @1kHz, 1mW	100Hz - 7kHz	150ohm	Dual 3.5mm	9 ft./2.7m	3oz./85g
PH-1	Single Sided	-65dBV/Pa @1cm	200Hz - 6kHz	150ohm	95dB SPL @1kHz, 1mW	100Hz - 10kHz	300ohm	XLR 4-pin Female	5.5 ft./1.6m	11oz./311.8g
PH-1R	Single Sided	-65dBV/Pa @1cm	200Hz - 6kHz	150ohm	95dB SPL @1kHz, 1mW	100Hz - 10kHz	300ohm	XLR 4-pin Male	5.5 ft./1.6m	11oz./311.8g
PH1-R5	Single Sided	-65dBV/Pa @1cm	200Hz - 6kHz	150ohm	95dB SPL @1kHz, 1mW	100Hz - 10kHz	300ohm	XLR 5-pin Male	5.5 ft./1.6m	11oz./311.8g
PH1-1PT	Single Sided	-65dBV/Pa @1cm	200Hz - 6kHz	150ohm	95dB SPL @1kHz, 1mW	100Hz - 10kHz	300ohm	Stripped wire	5.5 ft./1.6m	11oz./311.8g
PH-2	Dual Sided Mono	-65dBV/Pa @1cm	200Hz - 6kHz	150ohm	95dB SPL @1kHz, 1mW	100Hz - 10kHz	150ohm	XLR 4-pin Female	5.5 ft./1.6m	13oz./368.5g
PH-2R	Dual Sided Mono	-65dBV/Pa @1cm	200Hz - 6kHz	150ohm	95dB SPL @1kHz, 1mW	100Hz - 10kHz	150ohm	XLR 4-pin Male	5.5 ft./1.6m	13oz./368.5g
PH-2PT	Dual Sided	-65dBV/Pa @1cm	200Hz - 6kHz	150ohm	95dB SPL @1kHz, 1mW	100Hz - 10kHz	300ohm per side	Stripped wire	5.5 ft./1.6m	13oz./368.5g
PH-3	Dual Sided Stereo	-65dBV/Pa @1cm	200Hz - 6kHz	150ohm	95dB SPL @1kHz, 1mW	100Hz - 10kHz	300ohm per side	XLR 5-pin Female	5.5 ft./1.6m	13oz./368.5g
PH-3R5	Dual Sided Stereo	-65dBV/Pa @1cm	200Hz - 6kHz	150ohm	95dB SPL @1kHz, 1mW	100Hz - 10kHz	300ohm per side	XLR 5-pin Male	5.5 ft./1.6m	13oz./368.5g
MH-300	Single Sided	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	100dB SPL @1kHz, 1mW	100Hz - 10kHz	150ohm	MH Series headsets are available in 4 or 5 pin, male or female, XLR configurations	5.9 ft./1.7m	8oz./226.7g
MH-302	Dual Sided	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	100dB SPL @1kHz, 1mW	100Hz - 10kHz	150ohm		5.9 ft./1.7m	10oz./283.5g
MH-402	Dual Sided ANR	-65dBV/Pa @1cm	200Hz - 10kHz	200ohm	100dB SPL @1kHz, 1mW	100Hz - 10kHz	150ohm		5.9 ft./1.7m	10oz./283.5g
HR-1	Single Sided	-65dBV/Pa @1cm	150Hz - 8kHz	200ohm	95dB SPL @1kHz, 1mW	100Hz - 3kHz	300ohm	XLR 4-pin Female	5 ft./1.5m	11oz./311.8g
HR-1R	Single Sided	-65dBV/Pa @1cm	150Hz - 8kHz	200ohm	95dB SPL @1kHz, 1mW	100Hz - 3kHz	300ohm	XLR 4-pin Male	5 ft./1.5m	11oz./311.8g
HR-1R5	Single Sided	-65dBV/Pa @1cm	150Hz - 8kHz	200ohm	95dB SPL @1kHz, 1mW	100Hz - 3kHz	300ohm	XLR 5-pin Male	5 ft./1.5m	11oz./311.8g
HR-1PT	Single Sided	-65dBV/Pa @1cm	150Hz - 8kHz	200ohm	95dB SPL @1kHz, 1mW	100Hz - 3kHz	300ohm	Stripped wire	5 ft./1.5m	11oz./311.8g
HR-2	Dual Sided Mono	-65dBV/Pa @1cm	150Hz - 8kHz	200ohm	95dB SPL @1kHz, 1mW	100Hz - 3kHz	150ohm	XLR 4-pin Female	5 ft./1.5m	15oz./425.2g
HR-2R	Dual Sided Mono	-65dBV/Pa @1cm	150Hz - 8kHz	200ohm	95dB SPL @1kHz, 1mW	100Hz - 3kHz	150ohm	XLR 4-pin Male	5 ft./1.5m	15oz./425.2g
HR-2R5	Dual Sided Stereo	-65dBV/Pa @1cm	150Hz - 8kHz	200ohm	95dB SPL @1kHz, 1mW	100Hz - 3kHz	300ohm per side	XLR 5-pin Male	5 ft./1.5m	15oz./425.2g
HR-2A5	Dual Sided Stereo	-65dBV/Pa @1cm	150Hz - 8kHz	200ohm	95dB SPL @1kHz, 1mW	100Hz - 3kHz	300ohm per side	XLR 5-pin Female	5 ft./1.5m	15oz./425.2g
HR-2PT	Dual Sided	-65dBV/Pa @1cm	150Hz - 8kHz	200ohm	95dB SPL @1kHz, 1mW	100Hz - 3kHz	300ohm per side	Stripped wire	5 ft./1.5m	15oz./425.2g
HR-1L	Single Sided	N/A	N/A	N/A	95dB SPL @1kHz, 1mW	100Hz - 3kHz	300ohm	Stripped wire	5 ft./1.5m	15oz./425.2g
HR-2L	Dual Sided	N/A	N/A	N/A	95dB SPL @1kHz, 1mW	100Hz - 3kHz	300ohm per side	Stripped wire	5 ft./1.5m	15oz./425.2g
PH-36	Dual Sided Mono	N/A	N/A	N/A	109dB SPL @1kHz, 1mW	100Hz - 7kHz	150ohm	1/4" plug	5.5 ft./1.6m	3oz.
PH-16	Dual Sided Mono	-65dBV/Pa @1cm	200Hz - 6kHz	150ohm	93dB SPL @1kHz, 1mW	100Hz - 3kHz	150ohm	XLR 4-pin Female	5.5 ft./1.6m	15oz./425.2g
PH-16R	Dual Sided Mono	-65dBV/Pa @1cm	200Hz - 6kHz	150ohm	93dB SPL @1kHz, 1mW	100Hz - 3kHz	150ohm	XLR 4-pin Male	5.5 ft./1.6m	15oz./425.2g
PH-16R5	Dual Sided Stereo	-65dBV/Pa @1cm	200Hz - 6kHz	150ohm	93dB SPL @1kHz, 1mW	100Hz - 3kHz	300ohm per side	XLR 5-pin Male	5.5 ft./1.6m	15oz./425.2g

All products except Monitor Headphones feature a dynamic noise-cancelling microphone



For information on any of the products featured in this catalog, you can reach us at info@rtsintercoms.com
Please visit the RTS Digital Matrix Intercom website at: www.rtsintercoms.com

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