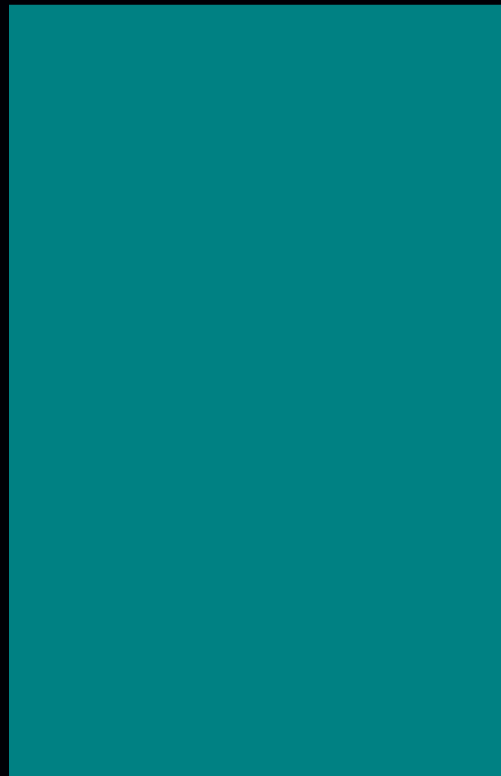


# HeadSets

Medium, Lightweight Headsets and Earsets

*listen to the difference™*



## Telex HeadSets

*Innovative design, product durability and performance reliability has kept Telex Communications a leader of headset manufacturing for over fifty years. Outstanding comfort, critical audio specs and classic good looks put Telex headsets and headphones in virtually every communication field: broadcast and recording studios, classrooms, aircraft cockpits, sporting events, theater, computer and industrial communications. Our research and development team is second to none and you can be assured of quality and durability when purchasing Telex products.*

*Telex offers a wide variety of headset styles to choose from including lightweight and full cushion headsets in either single or dual sided versions. We also have hearing protection headsets that offer noise reduction of up to 24 dB and an earset selection that can accommodate all applications. Most of our headsets feature our new flexible boom arms, comfortable cushions and can be terminated in either 4 or 5 pin male/female connectors or purchased without termination for you to customize.*

# Light Weight HeadSets



- ① Stainless spring steel/plastic assembly for easy head size adjustment
- ② Vinyl covered steel headband
- ③ Comfortable moleskin cushion
- ④ Boom swivels for right or left ear
- ⑤ Dynamic noise canceling microphone

**The PH-44** headset is a dual muff super lightweight for the ultimate in daylong comfort. It offers a dynamic noise canceling gooseneck microphone with a semi-rigid, fully adjustable boom for precise positioning. The high quality wide band dynamic earphones are covered in moleskin for better fit, isolation and frequency response. Available with 4 or 5 pin male or female connectors XLR.

**The PH-88** is a single muff mono super lightweight for the ultimate in daylong comfort. It offers a dynamic noise canceling gooseneck microphone with a semi-rigid, fully adjustable boom for precise positioning. The high quality wide band dynamic earphones are covered in moleskin for better fit, isolation and frequency response. Available with 4 or 5 pin male or female connectors XLR.



**PH-44**



**PH-88**

# Handset Hand Mic

**The NC450D** dynamic microphone is designed for voice paging applications requiring a rugged, hand-held microphone. The noise-canceling design makes it particularly effective for use in noisy locations, and the excellent voice response characteristics make it a good choice in quiet areas as well.

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



**NC-450D**



**HS-6A**



# Medium Weight HeadSets

The HR Series of medium weight intercom headsets is the newest addition to the Telex headset family and features a unique design that is both comfortable and functional. The earcup and ergonomically designed headband offer 21 dB of passive noise reduction and gel filled cushions are offered as an option for added comfort. The cord comes terminated in either 4 or 5 pin XLR, male or female and can also be purchased unterminated for custom applications.

The PH Series of medium weight intercom headsets is considered the industry standard by many users in all different applications. With a weight of a mere 12 oz., this headset offers the ultimate in day-long comfort.



- 1 HR series features three pressure settings — PH series features spring steel/plastic assembly.
- 2 Fully cushioned stainless steel headband
- 3 Foam cushion combined with headband settings provide 21db noise reduction
- 4 Boom swivels for right or left ear
- 5 Dynamic noise canceling microphone

**The HR-1** is a single muff, medium-weight passive noise reduction headset with dynamic noise canceling microphones. The headset has a noise reduction rating of 21 dB; suitable for use in a moderately noisy environment. The ergonomic headband design distributes the ear cushion pressure evenly over the entire ear with no pressure points, insuring hours of comfortable wear. An added advantage of this headset design is that it folds into compact form for ease of storage. Available with 4 or 5 pin XLR connectors (Male or Female).



**HR1**

**The HR-2** is a dual muff, medium-weight passive noise reduction headset with dynamic noise canceling microphones. The headset has a noise reduction rating of 21 dB; suitable for use in a moderately noisy environment. The ergonomic headband design distributes the ear cushion pressure evenly over the entire ear with no pressure points, insuring hours of comfortable wear. An added advantage of this headset design is that it folds into compact form for ease of storage. Available with 4 or 5 pin XLR connectors (Male or Female).



**HR2**

**The PH-1** is a medium-weight single muff headset with foam filled cushions that offer a light feel with moderate isolation from ambient noise. The dynamic noise canceling mic is easily positioned with a unique ball joint for continuous adjustability. Available with 4 or 5 pin XLR connectors (Male or Female).



**PH1**

**The PH-2** is dual muff mono, medium-weight headset with foam filled cushions that offer a light feel with moderate isolation from ambient noise. The dynamic noise canceling mic is easily positioned with a unique ball joint for continuous adjustability. Available with 4 or 5 pin XLR connectors (Male or Female).



**PH2**

**The PH-3** is a dual muff stereo, medium-weight headset with foam filled cushions that offer a light feel with moderate isolation from ambient noise. The dynamic noise canceling mic is easily positioned with a unique ball joint for continuous adjustability. Available with 5 pin XLR connectors (Male or Female).



**PH3**

# Hearing Protection

*In high noise environments, you'll find it easier to hear with these headsets, but more often it's the protection for your hearing that's really important.*

*After decades of experience as the premier aircraft headset company in the world, Telex has produced several models of professional headsets with passive noise reduction ratings of 21-24 dB using technology that was developed for crucial communications in environments with high noise levels. From steel mills to speedways, you can depend on Telex to give you clear communication in noisy environments.*



- 1 Spring steel/plastic adjustment or adjustable overhead strap
- 2 Fully cushioned stainless steel headband (exception: PH-16)
- 3 Foam lined for added noise attenuation
- 4 Sealed ball-and-socket joint and flexible boom arm
- 5 Dynamic mic element

**The PH-10** is the maximum in passive noise reduction. This super heavy-duty headset offers snug fitting dual-sided, monaural headphones with a dynamic, noise-canceling microphone for use in high noise environments. The PH-10 offers an Environmental Protection Agency (EPA) rated noise reduction rating (NRR) of 24 dB. Perfect for industrial and concert applications. Available with 4 or 5 pin male or female XLR connectors.

**The PH-3500** is a passive noise reduction headset, weighing only 13.6 oz. Using the latest design and modeling techniques, Telex has been able to maximize the amount of hearing protection provided by the PH-3500, while at the same time minimizing weight. The PH-3500 has a noise reduction rating of 24 dB, and is suitable for use in noisy environments. The headset features a three position tension adjustment, stainless steel strengthened headband intended for maximum comfort during long periods of wear. The comfortable foam-filled ear cushions with dual control ear cups allow user to individually adjust the volume level for each ear. The boom arm features a sealed ball-and-socket joint and flexible boom for precise microphone placement on any head size. The PH-3500 is dual-muff, lightweight and so comfortable, you will not believe it can still attenuate noise and protect your hearing.

**The PH-16** is a dual-sided monaural headset with noise canceling dynamic microphone. It is designed to fit under a helmet and has an EPA rated NRR of 24 dB.

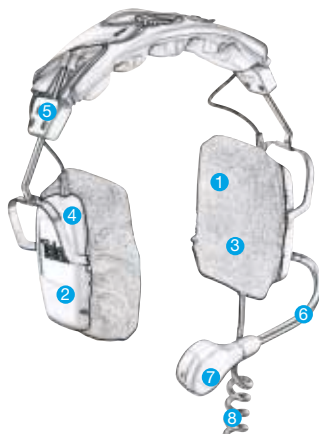
The dynamic receivers have special mounting which resist shock, vibration and acoustic feedback. The PH-16 ear cups are foam lined for added noise attenuation. The vented, foam-filled ear cushions combine comfort with good acoustic seal. For convenience as well as economic reasons, the receivers and ear cushions are field repairable.

Each headset features an adjustable flexible boom for optimum microphone placement. The PH-16 is terminated with A4F plug.

**The HD-3A** is a dual-sided monaural hearing protector type headset with noise canceling dynamic microphone. EPA rated NRR of 21 dB. The polyurethane earcups house 150 ohm dynamic elements and feature an easily adjustable headband. The 6 foot cord is coiled for tangle free use.



# Camera Intercom Headsets



- 1 Vents allow air to circulate providing daylong comfort
- 2 Polyurethane covers that resist cracking
- 3 Washable nylon socks are provided for ear cups
- 4 Highly sensitive magnetic earphone elements
- 5 Easy head size adjustment
- 6 Mic can be worn on either side of the head
- 7 Omni directional carbon microphone
- 8 No-tangle un-terminated coil cord

*This headset series is specifically designed to provide high quality communication through carbon camera intercoms in television studios or remote production locations. They have sensitive carbon microphones with a smooth voice frequency range and are compatible with Western Electric type intercom circuits.*

*The earphones have highly sensitive magnetic receivers that can be easily removed and replaced in the field for convenience and economy. A high quality coil cord with durable strain relief at the ear cup provides tangle-free use. The PH-81 and PH-85 headsets are comfortable and secure with a quality of sound that is second to none.*

**The PH-81** is a single-sided monaural earphone, omni directional carbon microphone.

**The PH-85** is a dual-sided monaural earphones, omni directional carbon microphone.





# Monitor Headphones

Telex offers one of the widest selections of monitor headphones in the industry. Each model features durable construction, high quality dynamic earphones and long life cords. Choose from full cushion or lightweight models in mono or stereo.

**The HR-1L and HR-2L** are medium-weight passive noise reduction headsets with dynamic noise canceling microphones. The headsets have a noise reduction rating of 21 dB; suitable for use in a moderately noisy environment. The ergonomic headband design distributes the ear cushion pressure evenly over the entire ear with no pressure points, insuring hours of comfortable wear. An added advantage of this headset design is that it folds into compact form for ease of storage and comes unterminated for custom applications. HR-1L is single muff; HR-2L is dual muff.

**The PH-36** is dual muff, mono headset with 1/4" connector.

**The HVM-2** is a stethoscope style headphone. Terminated with 1/4" phone plug.

**The HFY-91** is an under-chin headphone. Terminated with 1/4" phone plug.



HR-1L



HR-2L



PH-36



HVM-2



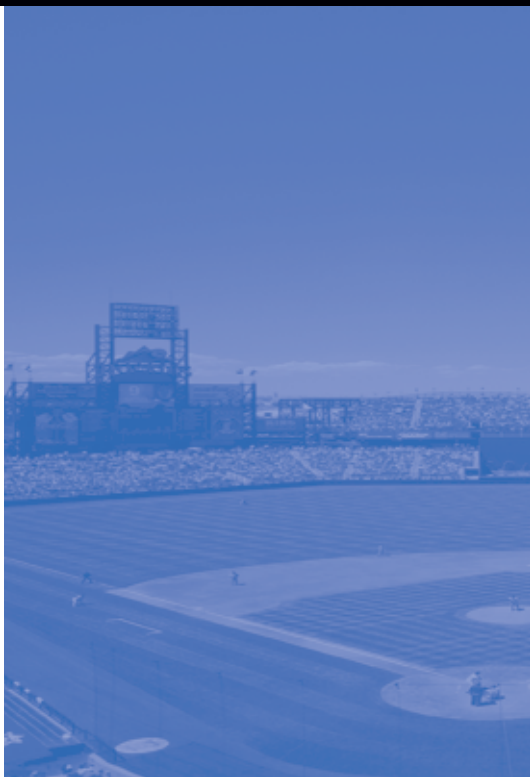
HFY-91



- 1 HR series — three pressure settings  
PH36 — spring steel/plastic assembly
- 2 HR series — fully cushioned steel headband  
PH36 — vinyl coated steel
- 3 HR series — foam cushions  
PH-36 — comfortable moleskin

## Headset Accessories

CC-1	Cushion cover sock (1) for full cushion headsets
C-2	Ear cushion for full cushion (1), black
C-4	Ear cushions for lightweight (2)
C-5	Cushion kit for PH-10 (2) and PH-16
C-7	Replacement foam ear cushions for HR-series headphones and headsets (2/per)
HP-2	Headband pad for HD series
HP-4	Headband pad for PH series, black
WS-5	Windscreen for full cushion headset
WS-11	Windscreen for lightweight headset
PT-400	DPDT In line press-to-talk switch kit with locking feature
PT-400NL	DPDT In line press-to-talk switch kit. Non-locking version



# EarSets

The popular Telex 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.

## Complete Earsets



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



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

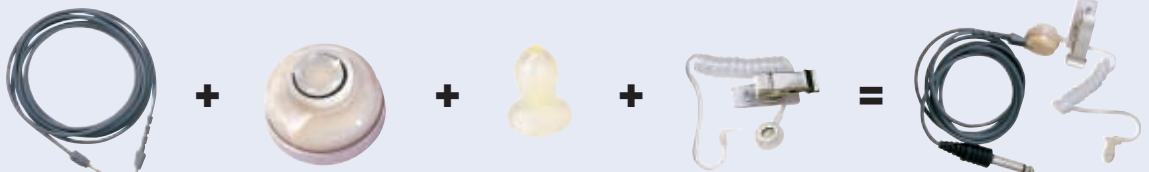


**CES-2 includes:**  
RTV-04, CMT-98, ET-4

## 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.

Choose one each of the following components:



1 Cord + 2 Receiver + 3 Earcone + 4 Eartube = Complete Set

## 1 Telethin Magnetic Receivers

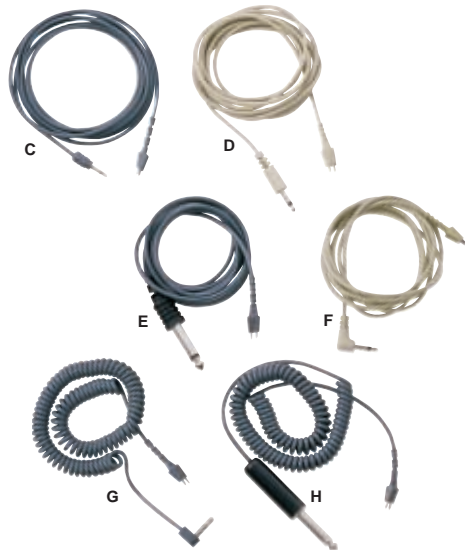
Telethin® Magnetic Receivers, available in 5 different impedances, permits choice of impedance for any application. For inconspicuous use, the receiver is extremely small and lightweight.



- |          |         |   |
|----------|---------|---|
| <b>A</b> | RTR-04  | 15 Ohms   |
|          | RTV-04  | 125 Ohms  |
|          | RTW-04  | 500 Ohms  |
|          | RTW-04V | 500 Ohms<br>(Telethin driver with Volume Control) |
| <b>B</b> | RTX-04  | 1000 Ohms   |
|          | RTY-04  | 2000 Ohms   |

## 2 Standard Telethin® Cord Sets

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



- |          |        |   |
|----------|--------|---|
| <b>C</b> | CMT-95 | Straight cord with sub-miniature straight connector               |
| <b>D</b> | CMT-98 | Straight cord with straight miniature connector                   |
| <b>E</b> | CMT-2  | Standard earset system cord. 5'(1.5) with 1/4" straight connector |
| <b>F</b> | CMT-92 | Straight cord with right angle miniature connector                |
| <b>G</b> | CCX-2  | Coiled cord with right angle miniature connector                  |
| <b>H</b> | CCT-2  | Coiled extended cord with 1/4" connector                          |

## 3 Cords with Volume Control

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.



- |          |       |   |
|----------|-------|---|
| <b>I</b> | VXT-3 | 500 Ohm volume control with 1/4" connector  |
| <b>J</b> | VYT-3 | 2000 Ohm volume control with 1/4" connector |

## 3 Earmolds/Earcones/Eartips

For maximum comfort and convenience, three pliable earmolds (small, medium, and large) 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



- |          |        |                   |
|----------|--------|-------------------|
| <b>K</b> | EML-1R | Large, right ear  |
|          | EML-2L | Large, left ear   |
| <b>L</b> | EMM-1R | Medium, right ear |
|          | EMM-2L | Medium, left ear  |
| <b>M</b> | EMS-1R | Small, right      |
|          | EMS-2L | Small, left       |

### Earcones



- |          |      |  |
|----------|------|--|
| <b>N</b> | BT-2 | Bag of 5 small earcones for use with ET-4  |
| <b>O</b> | BT-3 | Bag of 5 medium earcones for use with ET-4 |
| <b>P</b> | BT-4 | Bag of 5 large earcones for use with ET-4  |

### Eartips



- |          |      |  |
|----------|------|--|
| <b>Q</b> | ET-1 | Eartip, soft silicone tip, salmon colored, with metal plug           |
| <b>R</b> | BT-1 | Bag of 25 replacement eartips, salmon colored, for use with the ET-1 |

## 4 Eartubes

These inconspicuous clear plastic tubes carry the sound effectively from a Telex 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 Telex eartip, earcone or any size earmold and have a handy clothing clip to secure the system in place.



- |          |      |   |
|----------|------|---|
| <b>S</b> | ET-2 | Coiled acoustic eartube with clothing clip for use with earmolds or eartip                                  |
| <b>T</b> | ET-4 | Coiled acoustic eartube with clothing clip for use with earcones — comes with one each — S, M, & L earcones |
| <b>U</b> | ET-3 | Straight acoustic eartube with clothing clip for use with earmolds or eartip                                |

## 4 Earloops



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

- |          |       |                               |
|----------|-------|-------------------------------|
| <b>V</b> | AEF-2 | Plastic covered metal earloop |
| <b>W</b> | AEF-3 | Nylon earloop                 |

### Earset Components (not shown)

- |              |   |
|--------------|---|
| <b>EH-S</b>  | Earphone shell holder for all Telethin drivers, small |
| <b>EH-L</b>  | Earphone shell holder for all Telethin drivers, large |
| <b>AFC-1</b> | Under chin tube & foam cushion                        |

# HeadSets

## ORDERING INFORMATION AND SPECIFICATIONS

			EARPHONE			MICROPHONE			CABLE	
	Model No.	Catalog No.	Type	Impedance (Ohms)	Frequency Response (Hz)	Type	Impedance Response (Ohms)	Frequency Response (Hz)	Length	Termination
<b>Light Weight</b>	PH-88	300852-200	Single Side	150	300	Dynamic/Noise Cancelling	200	30-10,000	6' (1.8M)	A4F
	PH-88R	300852-201	Single Side	150	300	Dynamic/Noise Cancelling	200	30-10,000	6' (1.8M)	A4M
	PH-88R5	300852-202	Single Side	150	300	Dynamic/Noise Cancelling	200	30-10,000	6' (1.8M)	A5M
	PH-88E	300852-203	Single Side	150	300	Dynamic/Noise Cancelling	200	30-10,000	12' (3.6M)	A4M Coiled cord
	PH-88IC3	300852-300	Single Side	150	300	Dynamic/Noise Cancelling	200	30-10,000	9' (2.7M)	1/8" split feed
	PH-44	300853-400	Dual sided	150	300	Dynamic/Noise Cancelling	200	30-10,000	6' (1.8M)	A4F
	PH-44R	300853-401	Dual sided	150	300	Dynamic/Noise Cancelling	200	30-10,000	6' (1.8M)	A4M
	PH-44A5	300853-500	Dual sided	150	300	Dynamic/Noise Cancelling	200	30-10,000	6' (1.8M)	A5F
	PH-44R5	300853-501	Binaural	150	300	Dynamic/Noise Cancelling	200	30-10,000	6' (1.8M)	A5M
	PH-44-IC3	300853-300	Dual sided	150	300	Dynamic/Noise Cancelling	200	30-10,000	9' (2.7M)	1/8" split feed
	PH-44PT	300853-502	Dual sided	150	300	Dynamic/Noise Cancelling	200	30-10,000	6' (1.8M)	Pigtail
	PH-8000	71239-000	Headworn, water proof Left ear	160	160	Electret	3K	200-6,000	4' (1.2M)	A4F
<b>Camera Headset</b>	PH-81	64438-004	Magnetic / Single	275	200-4,000	Carbon omni-directional	20	300-4,500	6' (1.8M)	Pigtail Coiled cord
	PH-85	64437-005	Magnetic / Binaural	625 right/ 275 left	200-4,000	Carbon omni-directional	20	300-4,500	6' (1.8M)	Pigtail Coiled cord
<b>Full Cushion/ Medium Weight</b>	PH-1	64438-100	Single Side	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8M)	A4F
	PH-1R	64438-102	Single Side	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8M)	A4M
	PH1-R5	64438-103	Single Side	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8M)	A5M
	PH1-1PT	64438-202	Single Side	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8M)	Pigtail
	PH-2	64437-100	Dual sided	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8M)	A4F
	PH-2R	64437-102	Dual sided	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8M)	A4M
	PH-2PT	64437-202	Dual sided	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8M)	Pigtail
	PH-3	64437-200	Dual sided Binaural	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8M)	A5F
	PH-3R5	64437-201	Dual sided Binaural	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8M)	A5M
	HR-1	300534-007	Single Side	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	5' (1.5M)	A4F
	HR-1R	300534-008	Single Side	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	5' (1.5M)	A4M
	HR-1R5	300534-009	Single Side	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	5' (1.5M)	A5M
	HR-1PT	300534-006	Single Side	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	5' (1.5M)	Pigtail
	HR-2	300534-000	Dual sided	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	5' (1.5M)	A4F
	HR-2R	300534-001	Dual sided	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	5' (1.5M)	A4M
	HR-2R5	300534-002	Binaural	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	5' (1.5M)	A5M
	HR-2PT	300534-003	Binaural	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	5' (1.5M)	Pigtail
<b>Hearing Protection</b>	PH-10	70470-100	Dual sided 24 dB NRR	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8 M)	A4F
	PH-10R	70470-102	Dual sided 24 dB NRR	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8 M)	A4M
	PH-10R5	70470-019	Binaural 24 dB NRR	150	50-15,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8 M)	A5M
	HD-3A	63700-011	Dual sided 21 dB NRR	150	100-5,000	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8 M)	A4F Coiled cord
	PH-16	70770-101	Under helmet Dual sided 24 dB NRR	150	100-3,500	Dynamic/Noise Cancelling	150	100-8,000	6' (1.8 M)	A4F
	PH-3500	300623-001	Dual sided 24 dB NRR	150	100-3,500	Electret	150	100-8,000	5' (1.5M)	A4F
<b>Handset/ Hand Mic</b>	HS-6A	96145-000	Dynamic / Telephone Handset	200	50-6,000	Dynamic/ omni-directional	500	100-5,000	4' (1.2M)	A4F Coiled cord
	NC450A	47005-10	PTT Hand Mic	200	50-6,000	Dynamic/ Noise Cancelling	500	100-5,000	6' (1.8 M)	A4F
<b>Monitoring Headphone</b>	PH-36	64353-000	Dual sided	600	50-15,000	Dynamic/Noise Cancelling	500	100-5,000	6' (1.8 M)	1/4" plug (6.4 mm)
	HR-1L	300534-005	Single Side	150	50-15,000	Dynamic/Noise Cancelling	500	100-5,000	5' (1.5M)	Pigtail
	HR-2L	300534-004	Dual sided	150	50-15,000	Dynamic/Noise Cancelling	500	100-5,000	5' (1.5M)	Pigtail
	HMV-2	18183-000	Monoset Stethoscope	125	50-15,000	Dynamic/Noise Cancelling	500	100-5,000	5' (1.5 M)	1/4" plug (6.4 mm)
	HFY-91	18135-009	Tele-Fi under the chin	2000	50-15,000	Dynamic/ Noise Cancelling	500	100-5,000	5' (1.5 M)	1/4" plug (6.4 mm)

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listen to the difference™

HeadSets