



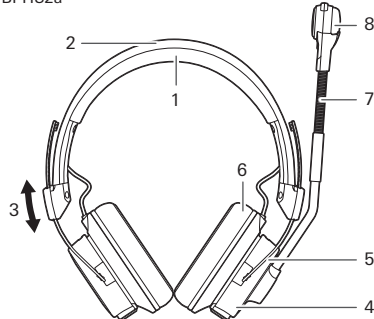
BPHS2a/BPHS2Ca/BPHS2Sa

User Manual

Broadcast Stereo Headset with Dynamic Boom Microphone /
Broadcast Stereo Headset with Condenser Boom Microphone /
Single-Ear Broadcast Headset with Dynamic Boom Microphone

audio-technica

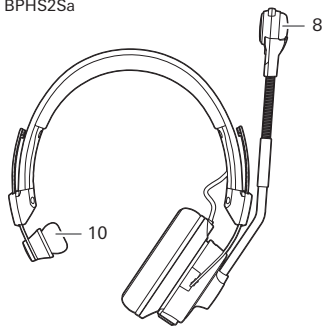
BPHS2a



BPHS2Ca



BPHS2Sa



Part names

Refer to the figures and confirm the parts of the headphones before use.

- | | |
|------------|-----------------------------|
| 1 Head pad | 6 Earpad |
| 2 Headband | 7 Gooseneck |
| 3 Slider | 8 Dynamic boom microphone |
| 4 Housing | 9 Condenser boom microphone |
| 5 Arm | 10 Temple pad |

Cleaning the product

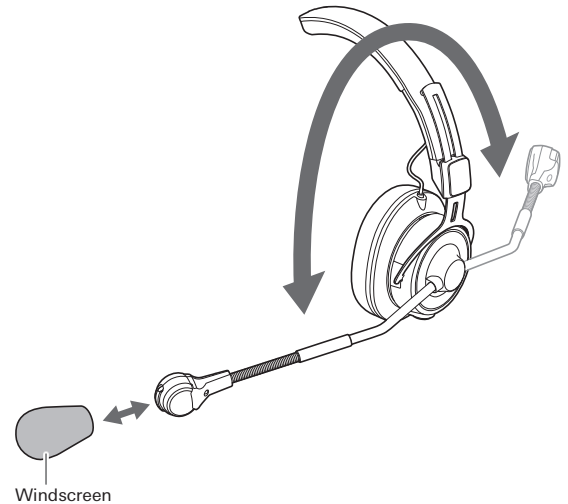
Get into the habit of regularly cleaning the product to ensure that it will last for a long time. Do not use alcohol, paint thinners or other solvents for cleaning purposes.

- To clean, wipe the main unit with a dry cloth.
- Wipe away perspiration and any other dirt from the cable with a dry cloth immediately after use. Failure to clean the cable may cause it to deteriorate and harden over time, resulting in malfunction.
- Wipe the plug with a dry cloth if dirty. Failure to clean the plug may cause the sound to cut out and may cause noise.
- Wipe the earpads and head pad with a dry cloth if dirty. Perspiration or water on the earpads or head pad may cause discoloration. Wipe with a dry cloth and allow to dry in the shade.

- If the product will not be used for an extended period of time, store it in a well-ventilated place free from high temperatures and humidity.
- The earpads, head pad, and temple pad are consumable items. They will deteriorate over time due to use and storage, so replace them when necessary. For information about replacing earpads, head pad, or other parts, or for information about other serviceable parts, contact your local Audio-Technica dealer.

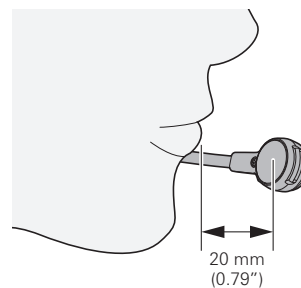
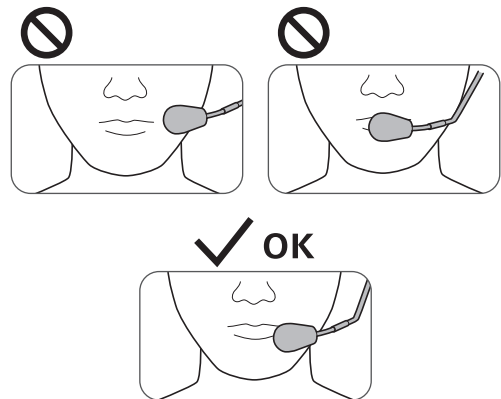
Using the product

You can use the microphone on the left or right side of your face by rotating the microphone boom as shown in the figure.



Positioning the microphone boom

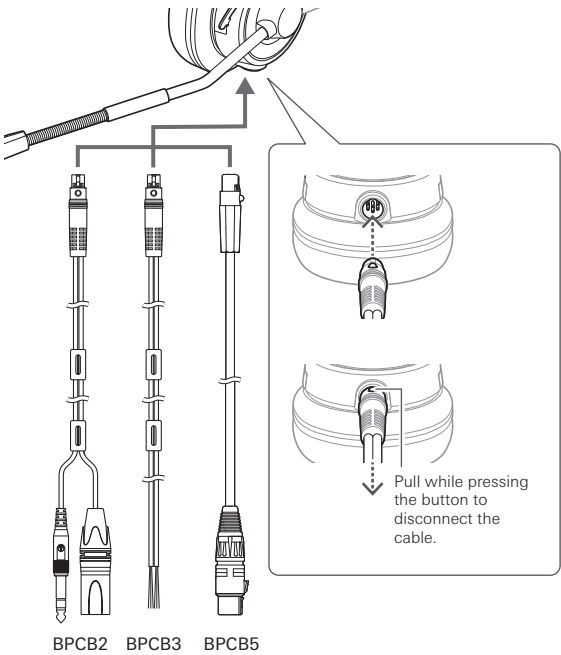
Use the microphone boom and gooseneck to place the microphone in the correct position.



Position the microphone boom so that the microphone is about 20 mm (0.79") from the tip of your mouth. Positioning the microphone directly in front of your mouth will cause popping and other noise from breathing.

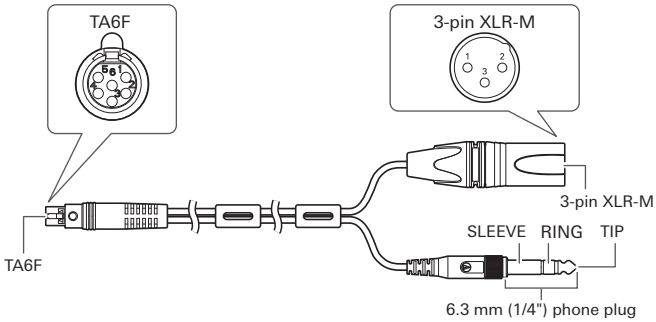
■ **Connecting the product**

Connect Audio-Technica's exclusive cable to the connector jack of the product. Audio-Technica's exclusive cables may be included or sold separately depending on the country of sale. Contact your local Audio-Technica dealer for details.



■ **BPCB2**

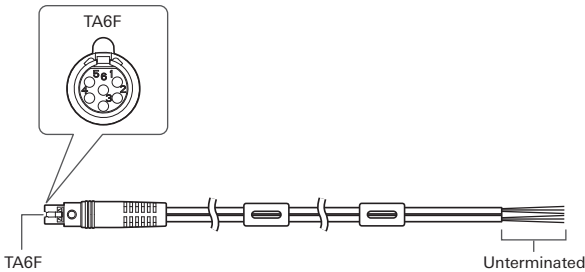
Cable for BPHS2 (all models) with a TA6F connector at one end and 3-pin XLR-M connector and 6.3 mm (1/4") phone plug at the other.



	Function	TA6F	3-pin XLR-M	6.3 mm (1/4") phone plug
Microphone	MIC +	PIN 5	PIN 2 HOT	-
	MIC -	PIN 6	PIN 3 COLD	-
	SHIELD	PIN 1	PIN1 GND	-
Headphones	SPEAKER -	PIN 2	-	SLEEVE
	SPEAKER R+	PIN 4	-	RING
	SPEAKER L+	PIN 3	-	TIP

■ **BPCB3**

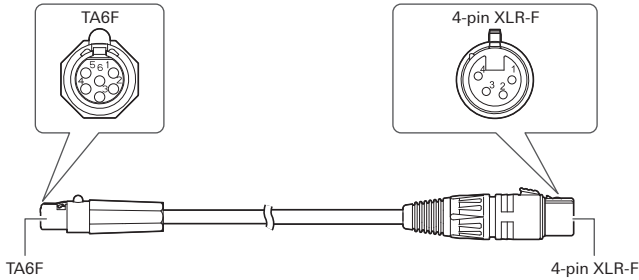
Cable for BPHS2 (all models) with a TA6F connector at one end and unterminated connector at the other.



	Function	TA6F	Unterminated
Microphone	MIC +	PIN 5	RED
	MIC -	PIN 6	YELLOW
	SHIELD	PIN 1	COPPER
Headphones	SPEAKER -	PIN 2	BLACK
	SPEAKER R+	PIN 4	RED
	SPEAKER L+	PIN 3	GREEN

■ **BPCB5**

Cable for BPHS2 (all models) with a TA6F connector at one end and 4-pin XLR-F connector at the other.



	Function	TA6F	4-pin XLR-F
Microphone	MIC +	PIN 5	PIN 2
	MIC -	PIN 6	PIN 1
	SHIELD	PIN 1	PIN 1
Headphones	SPEAKER -	PIN 2	PIN 3
	SPEAKER R+	PIN 4	PIN 4
	SPEAKER L+	PIN 3	PIN 4

■ **About Hearing Damage**

WARNING!



USE AS LOW A VOLUME AS POSSIBLE. PERMANENT HEARING DAMAGE CAN RESULT FROM USING THIS PRODUCT AT EXCESSIVE VOLUMES.

For safe operation of this product, do not listen at excessive sound pressure levels. Most national safety and health administrations have established guidelines for maximum time being exposed to sound pressure levels before hearing damage occurs.

Sound pressure levels (SPL)	Maximum time being exposed
85 dB (A) SPL	8 hours
88 dB (A) SPL	4 hours
91 dB (A) SPL	2 hours
94 dB (A) SPL	1 hour
97 dB (A) SPL	30 minutes
100 dB (A) SPL	15 minutes
120 dB (A) SPL	avoid or hearing damage may occur

- To protect your ears from hearing damage:
- Use the product at the lowest volume possible; turn up the volume only enough to hear.
 - Be aware that ringing in your ears may indicate that the volume is set too high.
 - Have your ears examined regularly by an audiologist.
 - If wax builds up in your ears, stop using the product until you have seen an audiologist.
 - Stop using the product if you experience ear discomfort or infection.

■ Specifications

■ Headphones

Type	Closed-back dynamic
Driver	45 mm (1.77")
Sensitivity	102 dB/mW
Frequency response	15 to 28,000 Hz
Maximum output	1,600 mW
Impedance	38 ohms
Input jack	TB6M jack
Weight (without cable)	BPHS2a: 250 g (8.8 oz), BPHS2Ca: 240 g (8.5 oz), BPHS2Sa: 190 g (6.7 oz)
Accessories	Windscreen x 3, clip, pouch
Replacements/separately sold items	BPCB2 (3.0 m (9.8') / TA6F, 3-pin XLR-M, phone plug), BPCB3 (3.0 m (9.8') / TA6F, unterminated), BPCB5 (1.2 m (3.9') / TA6F, 4-pin XLR-F), Earpad HP-M60x, Head pad

■ Microphone

BPHS2a/BPHS2Sa

Type	Dynamic
Polar pattern	Hypercardioid
Frequency response*	50 to 14,000 Hz (at 2 cm (0.79"))
Sensitivity*	-57 dB (1.4 mV) (0 dB = 1 V/Pa, 1 kHz)
Output impedance	550 ohms
Dimensions	Height: 18.0 mm (0.71"), Main unit maximum diameter: 23.4 mm (0.92")
Output connector	TB6M

BPHS2Ca

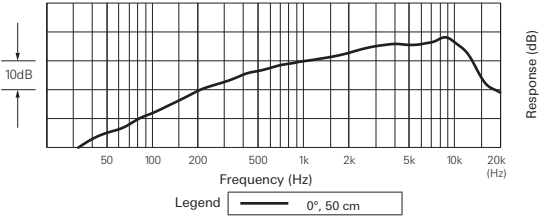
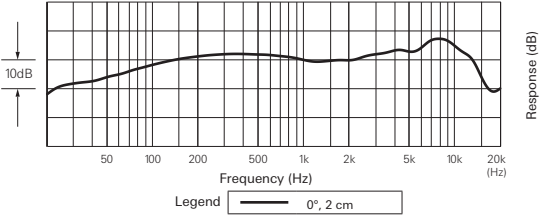
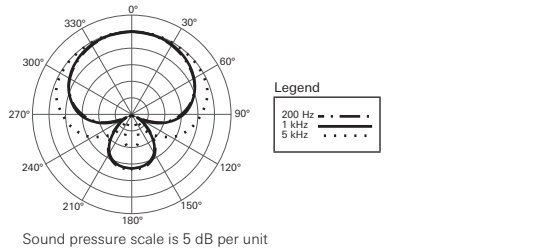
Type	Back electret condenser
Polar pattern	Cardioid
Frequency response*	60 to 15,000 Hz (at 2 cm (0.79"))
Sensitivity*	-45 dB (5.6 mV) (0 dB = 1 V/Pa, 1 kHz)
Output impedance	100 ohms
Maximum input sound pressure level*	140 dB SPL (1 kHz THD1%)
S/N ratio*	60 dB (1 kHz at 1 Pa, A-weighted)
Dynamic range	106 dB (1 kHz at Max S.P.L.)
Phantom power	11 to 52V DC, 2 mA
Dimensions	Minimum width: 12 mm (0.47"), Height: 12.7 mm (0.5")
Output connector	TB6M

*During a wired connection with the product. Performance varies depending on the device used.
• 1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL

For product improvement, the product is subject to modification without notice.

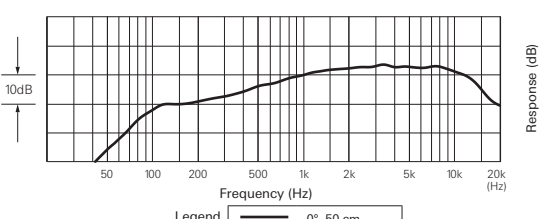
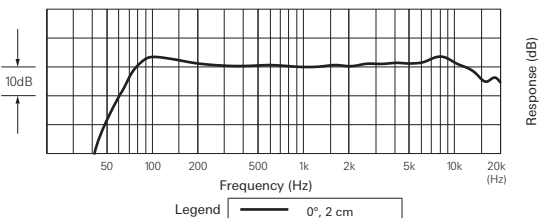
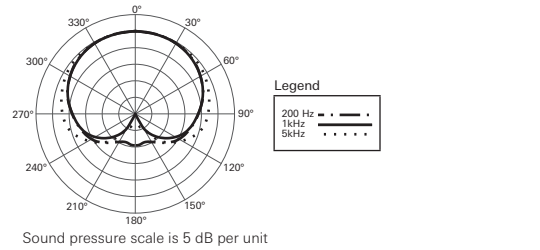
■ Polar pattern/frequency response

BPHS2a/BPHS2Sa



• During a wired connection with the product. Performance varies depending on the device used.

BPHS2Ca



• During a wired connection with the product. Performance varies depending on the device used.