



# RE3-ACC-HW3 Headworn mic with TA4F

- Condenser supercardioid element delivers an acoustically-isolated, full-bodied sound
- Robust headband fits comfortably and securely
- Flexible gooseneck section makes positioning easy
- Vibration-absorbing shock-mounted microphone head minimizes handling noise
- Detachable cable makes storing and transporting simple and safe



The HW3 is a general-purpose condenser supercardioid headworn vocal microphone which is ideal for presentations, vocal performances, and athletic instruction. Designed for comfort, robust durability and vocal clarity, it sustains rigorous use in a wide variety of applications while delivering crisp, clear, and balanced vocal sound. The sonic signature is crisp and natural, and the supercardioid polar pattern provides superb acoustic isolation and gain before feedback, making it an ideal microphone even in high SPL sound reinforcement applications. The adjustable headband is comfortable to wear, solidly built, and includes a flexible gooseneck boom and shock-mounted microphone element, making it an ideal solution for performances and presentations where rigorous activity may be involved. The detachable cable securely connects to the headband with a threaded 2.5 mm plug, and its detachable design helps avoid cable damage during storage and transportation. The 4-pin mini plug is compatible with all current Electro-Voice bodypack transmitters, as well as many other brands who use the 4-pin mini connector convention. The included foam windscreen effectively reduces wind blasts when needed.

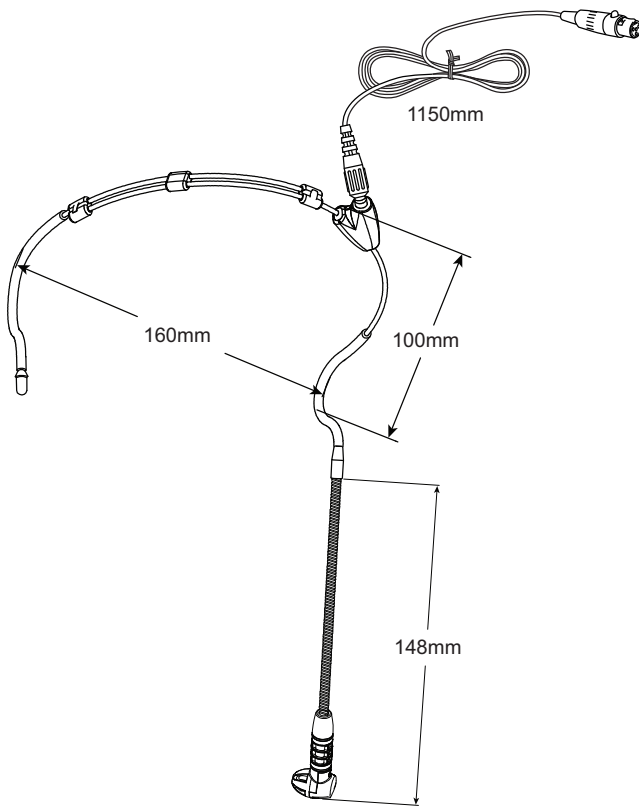
## Technical specifications

Element type:	Self-biased condenser
Frequency response:	30 Hz - 18 kHz
Polar pattern:	Supercardioid
Sensitivity: open circuit voltage, 1 kHz:	0.5 mV/Pascal (-47 dBV/PA)
Maximum SPL:	130 dB SPL
Impedance:	1000 ohms
Power requirements:	3-9 VDC
Polarity:	Positive pressure on diaphragm produces positive voltage at pin 2 relative to pin 1
Electrical contact pinouts:	Pin #1 - Ground, shield Pin #2 - Audio Pin #3 - Bias voltage Pin #4 - N/C
Dimensions (cable length) :	45.28" (1150 mm)
Dimensions (boom length) :	5.83" (148 mm)
Net weight:	1.35 oz (38.4 g)
Shipping weight:	5.93 oz (168 g)

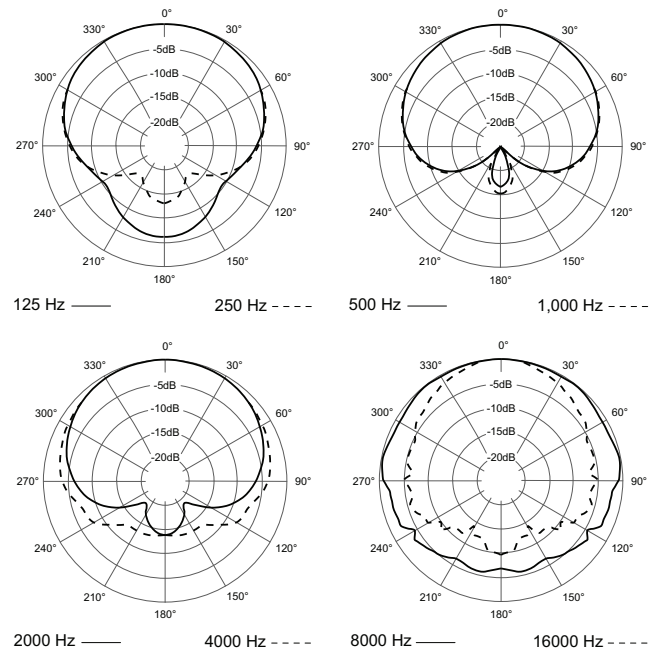
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Microphone connector:	4-pin mini plug
Head finish:	Non-reflecting Black
Material:	Black stainless steel painted adjustable headband frame. Molded back facing connector joint with 2.5 mm jack for detachable cable, black textured PU. Black painted steel 100 mm x 4.5 mm flexible mic positing tube. Integrated black TPR mic shock mount. Clear soft silicone tubing at ear contact points.

**Dimensions:**



**Polar response:**

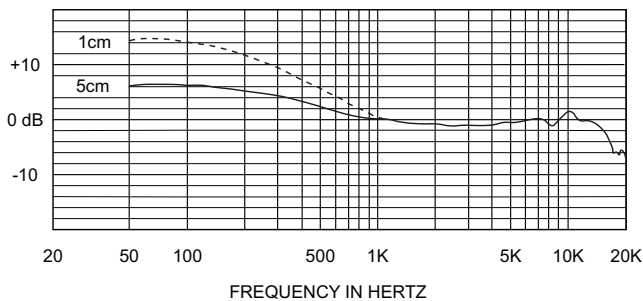


**Installation/configuration notes**

For best performance, please follow these instructions:

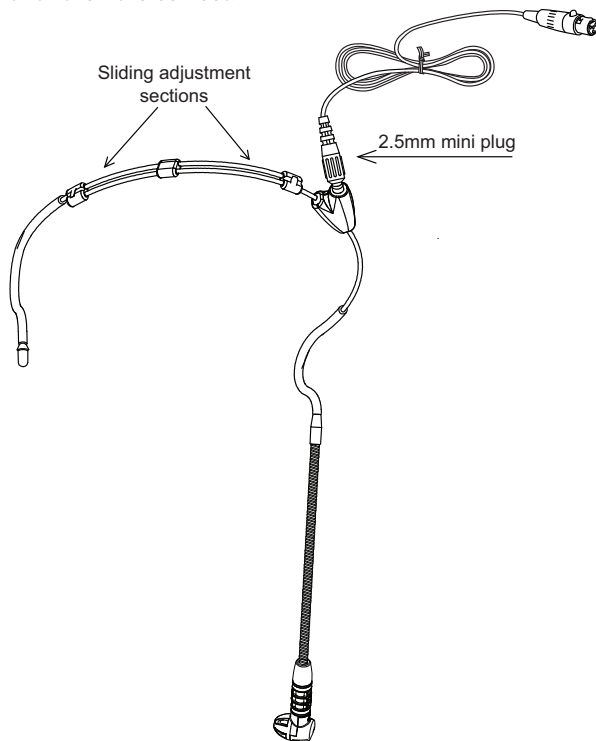
1. Connect the **HW3 cable** to the headset by inserting the cable's 2.5 mm mini plug into the 2.5 mm mini jack on the rear of the headband.
2. Thread the **plug** into the threaded jack until it is tightly secured.
3. Adjust the **headband fit** by sliding the two overlapping sections on the rear of the headband. *Sliding inward makes the headband fit tighter, and*

**Frequency response:**

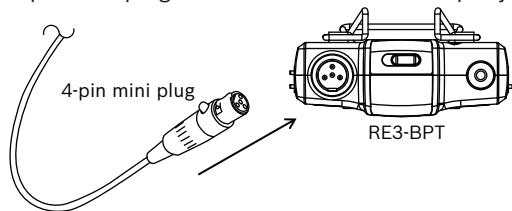


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sliding outward makes the headband fit looser. Test fit until the fit is correct.



4. With the **RE3-BPT transmitter** off, connect the HW3 4-pin mini plug into the RE3-BPT audio input jack.



5. Place the **HW3 microphone head** one to three inches from the user's mouth. *Should breath pops occur, avoid placing the microphone head directly in front of the mouth. Aiming*

*the microphone head toward the lips from the side reduces breath pops. The flexible gooseneck section makes getting the proper microphone head placement easy.*

6. Power on the transmitter.
7. Ensure the transmitter mute switch is disengaged.
8. Ensure the transmitter's attenuation is set to OFF.
9. Adjust the **input sensitivity** so that the highest voice peaks light the RE3-RX receiver's AF meter's yellow LED segment (the sixth LED from the bottom). *Be careful that the transmitter's audio signal level does not cause the receiver's AF meter red LED to light often.*

#### Replacement parts

Order number	Description
ESP-EF01U362350	HW3 windscreen (2pcs)
ESP-EF01U362351	HW3 replacement cable

#### Parts included

Quantity	Component
1	HW3 headworn microphone
1	Cloth drawstring storage pouch
1	Foam windscreen
1	Engineering datasheet
1	Warranty and product documentation information card

#### Ordering information

##### RE3-ACC-HW3 Headworn mic with TA4F

Supercardioid headworn microphone for RE3-BPT transmitter, black

Order number **RE3-ACC-HW3**

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**Represented by:**

**Germany:**  
Bosch Sicherheitssysteme GmbH  
Robert-Bosch-Ring 5  
85630 Grasbrunn  
Germany

Bosch Security Systems, Inc.  
12000 Portland Avenue South  
Burnsville MN 55337  
USA

[www.electrovoice.com](http://www.electrovoice.com)