



# Free Your Hands

Personal PA System  
**ER-1000A-BT**



The ER-1000A-BT is a wearable, easy-to-operate, personal PA system attached to a waistband, with the capability of delivering both clear and powerful sound.

The lightweight body of the main unit, features a slight curvature in its design, and fits perfectly on your waist to allow natural movement that minimizes unit disruption. This product is suited for various situations such as guided tours, sport classes, directing traffic and other security-and-safety-related applications, as well as attracting prospective customers at shows and storefronts.



✓ **530 g** in weight\*1

✓ approx. **100 m** audible range\*2

✓ **8 hours** continuous voice operation\*3

## APPLICATIONS



**Tour Guide**



**Classroom**



**Exhibition**



**Traffic Control**

\*1 Without batteries

\*2 Measured based on JEITA (Japan Electronics and Information Technology Industries Association) TT-4501D

\*3 8 hours of use based on voice operation only

## KEY FEATURES

### Highly Intelligible Sound

With the ER-1000A-BT, your voice will reach your audience clearly, even in a noisy or crowded place. It can prove especially useful when wearing a mask. The built-in digital amplifier and an optimized frequency for speech, produces high intelligible sound.

### Fit for Prolonged Use

A unique curved design and an adjustable waistband ensures the stability of hands-free use. In addition, the 530 g ultra-light body ensures prolonged usage.

### Audio Player Connectable

An AUX input terminal allows public address announcements to be made with your favorite music.

### Bluetooth Connection

The ER-1000A-BT can play audio by pairing a compatible Bluetooth device via smartphone or audio player.

### Easy to Operate

The large, rotary style volume control and independent power on/off switch, simplifies the complexity of handling, so you to speak naturally without looking down.

### Built-In Pouch

Carry accessories like an audio player or extra batteries for the main unit, in the waistband's built-in pouch.

### Versatile Wear

The ER-1000A-BT has the ability to be set on either side of the body, and still provide the same audio performance. In the event you feel tired, feel free to switch the unit to the other side.



# SPECIFICATIONS

ER-1000A-BT	
Power Source	Alkaline battery (LR6): 6 pieces (9 V DC) or 4 pieces* <sup>1</sup> (6 V DC) Rechargeable nickel metal hydride (NiMH) battery (HR15/51): 6 pieces (7.2 V DC) or 4 pieces* <sup>1</sup> (4.8 V DC)
Output	6 W (rated) and 10 W (max) when 6 AA batteries (9 V DC) are used. 3 W (rated) and 4 W (max) when 4 AA batteries* <sup>1</sup> (6 V DC) are used.
Audible Range* <sup>2</sup>	Voice operation: Approx. 100 m (328.08 ft) (when 6 alkaline batteries or NiMH batteries are used) Approx. 80 m (262.47 ft) (when 4* <sup>1</sup> alkaline batteries or NiMH batteries are used)
Battery Life	Voice operation* <sup>3</sup> : Approx. 8 hours (when 6 or 4* <sup>1</sup> alkaline batteries are used) Approx. 7 hours (when 6 or 4* <sup>1</sup> NiMH batteries are used) AUX stereo input operation (music reproduction)* <sup>4</sup> : Approx. 9 hours (when 6 or 4* <sup>1</sup> alkaline batteries are used) Approx. 9 hours (when 6 or 4* <sup>1</sup> NiMH batteries are used)
Frequency Response	300 Hz – 14 kHz (deviation: –26 dB)
Headset Microphone	Ear-on type, electret condenser microphone, sensitivity: –47 dB (0 dB = 1 V/1 Pa, 1 kHz) cord length: 1.3m (4.27ft), 3.5mm (1/8") mini-plug (monaural), with headband and windscreen.
Input	MIC : –30 dB* <sup>5</sup> , 3 kΩ, 3.5mm (1/8") monaural mini-jack, phantom power supply. AUX* <sup>6</sup> : –10 dB* <sup>5</sup> , 2 kΩ, 3.5mm (1/8") stereo mini-jack (supporting monaural applications* <sup>7</sup> )
Communication Method	Bluetooth Ver.4.2
Output Power	Bluetooth Class 2
Bluetooth Operating Range	10 m (32.81 ft)
Protocol	A2DP
Codec	SBC
Belt Length	55 – 120 cm (1.8 – 3.94 ft)* <sup>8</sup>
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Finish	Front case: ABS resin, black Rear case: ABS resin, gray Grille: Surface-treated steel plate, black, paint Belt: Elastic rubber, black
Dimensions	133 (W) x 96 (H) x 222 (D) mm (5.24" x 3.78" x 8.74") (belt excluded)
Weight	Main PA unit (belt included, batteries excluded): 480 g (1.06 lb) Headset microphone: 50 g (0.11 lb)
Accessory	Headset microphone (with headband and wind screen) x 1 Belt (attached to the main PA unit) x 1, Battery spacer x 2

\*<sup>1</sup> When the supplied battery spacers are used.

\*<sup>2</sup> Transmission range is measured on a quiet street with the Personal PA loaded with fresh batteries. Range varies depending on surrounding environmental conditions, such as battery consumption, ambient noise levels, wind direction and obstacles.  
Reference standard: JEITA (Japan Electronics and Information Technology Industries Association) TT-4501D

\*<sup>3</sup> Battery life during voice output usage represents the period of time when the Personal PA is continuously used with the volume control set to a position that does not cause feedback.

Reference standard: JEITA (Japan Electronics and Information Technology Industries Association) TT-4501D

\*<sup>4</sup> Battery life during AUX stereo input represents a value actually measured when music is continuously reproduced with a commercial audio player connected to the auxiliary (AUX) input terminal. It varies depending on the connected external equipment's volume output or the type of music source.

\*<sup>5</sup> 0 dB = 1 V

\*<sup>6</sup> Adjust the volume of the auxiliary (AUX) input at the connected external device.

\*<sup>7</sup> Volume during monaural operation is smaller than during stereo operation.

\*<sup>8</sup> The 120 cm (3.94 ft) length is when the Belt is stretched out to its maximum extent.

When worn, consider a Belt length of 100 cm (3.28 ft) (of waist size when clothes are worn) as a rule-of-thumb standard.

Note: Prepare batteries separately, as they are not supplied with the product.

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