



# POWER MEGAPHONE

Anti-bacteria Treatment



*Effective communications for any situation.*



safe&sound



# Ideal for any reinforcement requirements.

TOA offers an extensive range of portable power megaphones that provide optimal reinforcement for various applications in different environments such as schools, government organization facilities, factories and many others.

All models incorporate anti-bacterial treatment to cope with multi-user environments.

Featuring compact and stylish designs with powerful outputs, TOA megaphones also include splash-resistant types as well as high-performance shoulder types that provide a separate auxiliary input and even wireless microphone capability (ER-2930W). Other features such as siren (S) and whistle (W) are available on some models.

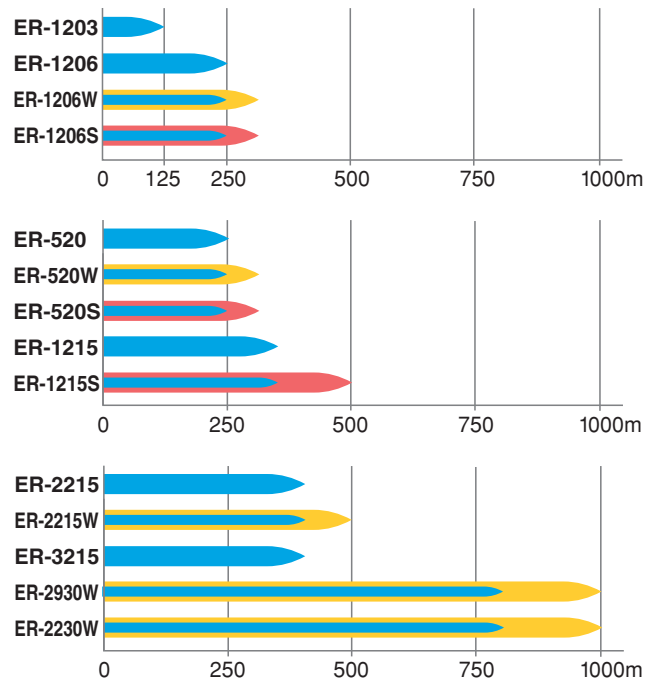
The wide range of types makes it easier than ever for the user to select the ideal megaphone for his or

her use. Sizes and weights range from powerful shoulder type megaphones with a maximum 45W output to light, compact models. The speaker features rugged polyimide (PI) materials for the diaphragms and neodymium magnets to achieve exceptional acoustic performance. Excellent battery life from AA, C or D batteries (depending on megaphone model) provides significantly longer performance. Fixed stand options are also available.



## Audible Range

■ Voice ■ Whistle ■ Siren



## Splash-proof Hand Grip Type Megaphone



**ER-1203**  
4W max.  
IPX5\*

**ER-1206**  
10W max.  
IPX5\*

**ER-1206W**  
10W max.  
IPX5\*  
with Whistle

**ER-1206S**  
10W max.  
IPX5\*  
with Siren

\* Protected against water jets by a nozzle against the enclosure from any direction.

## Compact Hand Grip Type Megaphone



**ER-520**  
10W max.

**ER-520W**  
10W max.  
with Whistle

**ER-520S**  
10W max.  
with Siren

## Hand Grip Type Megaphone



**ER-1215**  
23W max.

**ER-1215S**  
23W max.  
with Siren

**ER-3215**  
23W max.

## Shoulder Type Megaphone



**ER-2215**  
23W max.

**ER-2230W**  
45W max.  
with Whistle

**ER-2215W**  
23W max.  
with Whistle

**ER-2930W**  
45W max.  
with Whistle  
with Wireless Function

Control Panel  
(ER-2930W/ER-2230W)

Optional  
Wireless Tuner unit  
UHF: WTU-4800  
VHF: WTU-3800

## Related Equipment

### MEGA TALK



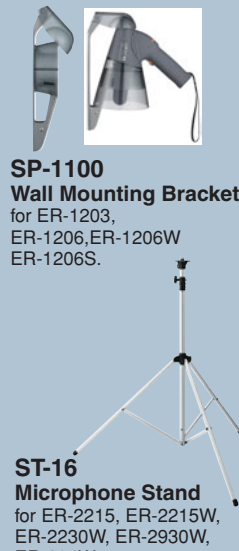
#### ER-604W (10W max.)

The ER-604W is a versatile and compact shoulder type megaphone with many convenient functions and features such as a whistle function, mic-located volume control and press-to-talk switch. It can be used with a dynamic mic, electret condenser mic as convenient headset microphones for hands-free operation and also provides an auxiliary input for another program source. The ER-604W is battery powered and can also be externally powered.

# SPECIFICATIONS

	ER-1203	ER-1206	ER-1206W	ER-1206S
<b>Power Source</b>	R6P (AA) × 4 (6V DC)	R6P (AA) × 6 (9V DC) or R6P (AA) × 4 with battery spacer (6V DC)		
<b>Rated Output</b>	3W	6W		
<b>Maximum Output</b>	4W	10W		
<b>Battery Life</b>	Approx. 8 hours (JEITA)*2	When using six R6P batteries (JEITA)*2 Voice: Approx. 8 hours When using four R6P batteries (JEITA)*2 Voice: Approx. 5 hours	When using six R6P batteries (JEITA)*2 Voice: Approx. 8 hours, Whistle: Approx. 20 minutes When using four R6P batteries (JEITA)*2 Voice: Approx. 5 hours, Whistle: Approx. 10 minutes	When using six R6P batteries (JEITA)*2 Voice: Approx. 8 hours, Siren: Approx. 20 minutes When using four R6P batteries (JEITA)*2 Voice: Approx. 5 hours, Siren: Approx. 10 minutes
<b>Audible Range</b>	Voice: Approx. 125m (JEITA)*2	Voice: Approx. 250m (JEITA)*2	Voice: Approx. 250m (JEITA)*2 Whistle: Approx. 315m (JEITA)*2	Voice: Approx. 250m (JEITA)*2 Siren: Approx. 315m (JEITA)*2 Siren (sounds of 5 seconds intervals)
<b>Signal Sound</b>	—	—	Whistle	—
<b>Frequency Response</b>	500 – 6,000Hz (SPL –20dB)		450 – 6,000Hz (SPL –20dB)	
<b>Magnetic Circuit</b>	Neodymium magnet, inner magnet type			
<b>Diaphragm</b>	Polyimide film (voice coil, bobbin)			
<b>Anti-bacteria Treatment</b>	Mouth and handle			
<b>Water Protection</b>	IPX5			
<b>Operating Temperature</b>	–10°C to +40°C			
<b>Finish</b>	Horn: ASA resin, clear dark gray Other: ASA resin, dark gray Strap: Nylon, black	Horn: ASA resin, clear dark gray Other: ASA resin, dark gray Strap: Nylon, black	Horn: ASA resin, clear dark gray Other: ASA resin, yellow Strap: Nylon, black	Horn: ASA resin, clear red Other: ASA resin, red Strap: Nylon, black
<b>Dimensions</b>	137 (W) × 257.8 (H) × 210 (D)mm	154 (W) × 266 (H) × 250 (D)mm		—
<b>Weight</b>	610g (without batteries)	660g (without batteries)	680g (without batteries)	680g (without batteries)
<b>Accessory</b>	Battery spacer × 1			
<b>Option</b>	Wall mounting bracket for megaphone : SP-1100			

# OPTIONS



**SP-1100**  
Wall Mounting Bracket  
for ER-1203,  
ER-1206, ER-1206W  
ER-1206S.

**ST-16**  
Microphone Stand  
for ER-2215, ER-2215W,  
ER-2230W, ER-2930W,  
ER-604W.

	ER-520	ER-520W	ER-520S	ER-1215	ER-1215S
<b>Power Source</b>	R6P (AA) × 8 (12V DC)			R14P (C) × 6 (9V DC)	
<b>Rated Output</b>	6W			15W	
<b>Maximum Output</b>	10W			23W	
<b>Battery Life</b>	Approx. 10 hours (JEITA)*2	Voice: Approx. 10 hours (JEITA)*2 Whistle: Approx. 30 min (JEITA)*2	Voice: Approx. 10 hours (JEITA)*2, Siren: Approx. 40 min (JEITA)*2	Voice: Approx. 14 hours (JEITA)*2	Voice: Approx. 14 hours (JEITA)*2, Siren: Approx. 20 min (JEITA)*2
<b>Audible Range</b>	Voice: Approx. 250m (JEITA)*2	Voice: Approx. 250m (JEITA)*2, Whistle: Approx. 315m (JEITA)*2	Voice: Approx. 250m (JEITA)*2 Siren: Approx. 315m (JEITA)*2	Voice: Approx. 315m (JEITA)*2	Voice: Approx. 315m (JEITA)*2, Siren: Approx. 500m (JEITA)*2
<b>Signal Sound</b>	—	Whistle	Siren	—	Siren
<b>Diaphragm</b>	Polyimide film (voice coil, bobbin)				
<b>Anti-bacteria Treatment</b>	Mouth and handle				
<b>Operating Temperature</b>	–10°C to +40°C				
<b>Finish</b>	Horn: ABS resin, light gray Others: ABS resin, gray Strap: Nylon, black	Horn: ABS resin, light gray Others: ABS resin, gray Strap: Nylon, black	Horn: ABS resin, red Others: ABS resin, red Strap: Nylon, black	Horn: ABS resin, light gray Others: ABS resin, gray Strap: Nylon, black	Horn: ABS resin, red Others: ABS resin, red Strap: Nylon, black
<b>Dimensions</b>	160 (W) × 256 (H) × 260 (D)mm			210 (W) × 291 (H) × 346 (D)mm	
<b>Weight</b>	620g (without batteries)	650g (without batteries)	650g (without batteries)	1.1kg (without batteries)	1.2kg (without batteries)

	ER-2215	ER-2215W	ER-3215	ER-2230W	ER-2930W
<b>Power Source</b>	R14P (C) × 6 (9V DC)			Battery: R20P (D) × 10 (15V DC) External Power: 12V DC Battery	
<b>Rated Output</b>	15W			30W	
<b>Maximum Output</b>	23W			45W	
<b>Battery Life</b>	Approx. 9 hours (JEITA)*2	Voice: Approx. 9 hours (JEITA)*2 Whistle: Approx. 20 min (JEITA)*2	Voice: Approx. 9 hours (JEITA)*2	Voice: Approx. 17 hours (JEITA)*2 Whistle: Approx. 90 min (JEITA)*2	
<b>Audible Range</b>	Voice: Approx. 400m (JEITA)*2	Voice: Approx. 400m (JEITA)*2, Whistle: Approx. 500m (JEITA)*2	Voice: Approx. 400m (JEITA)*2	Voice: Approx. 800m (JEITA)*2 Whistle: Approx. 1000m (JEITA)*2	
<b>Signal Sound</b>	—	Whistle (1,600Hz to 2,400Hz)	—	Whistle (1,600Hz to 2,400Hz)	
<b>AUX Input Sensitivity</b>	—	—	—	–10dB*1 (300mV), 10kΩ (ø3.5 mini jack, stereo plug acceptable), volume control	
<b>EXT Mic Input</b>	—	—	—	600Ω, unbalanced, ø6.3 phone jack, volume control	
<b>Receiving Frequency</b>	—	—	—	—	UHF (800MHz band) and VHF (200MHz band)
<b>Antenna</b>	—	—	—	—	Fold-down flexible antenna
<b>Diaphragm</b>	Polyimide film (voice coil, bobbin)				
<b>Anti-bacteria Treatment</b>	Microphone		Mouth and handle	Microphone	
<b>Remaining Battery Indication</b>	—	—	—	LED (also serves as a power indicator) Stereo ON: Normal use, Flashing: Batteries need replacement	
<b>Operating Temperature</b>	–10°C to +40°C				
<b>Finish</b>	Horn: ABS resin, light gray Microphone and others: ABS resin, gray Strap: Nylon, black			Horn ring: Vinyl chloride, gray Horn: Aluminum, light gray, paint Case top: Die-cast aluminum, gray, paint Strap: Nylon, black, Others: ABS resin, gray	
<b>Dimensions</b>	ø210 × 336mm		210 (W) × 291 (H) × 381 (D)mm (when attaching the microphone)	ø351 × 512mm	
<b>Weight</b>	Body: 1.1kg (without microphone and batteries) Microphone: 150g	Body: 1.2kg (without microphone and batteries) Microphone: 150g	Body: 1.15kg (without microphone and batteries) Microphone: 150g	3.6kg (without microphone and batteries) Microphone: 150g	3.8kg (without microphone and batteries) Microphone: 150g
<b>Accessories</b>	—		—	ø3.5 mini plug (AUX input x 1, External power supply cord (1m) x1, Splash-proof cover x 1*3	
<b>Option</b>	Speaker stand: ST-16		—	Speaker stand: ST-16, Microphone: DM series	Speaker stand: ST-16, Microphone: DM series Wireless Microphone: WM-3220 series, WM-3310 series, WM-4200 series, WM-4300 series Wireless tuner: WTU-3800 series, WTU-4800 series

Note: Batteries are option

\*1 0dB = 1V

\*2 JEITA: Japan electronics and information technology industries association. (EIAJ TT-4501A)

\*3 Do not use the unit in heavy rains or strong winds, or in locations where the unit is directly exposed to water even using with the supplied splash-proof cover.

### Note on the audible range and battery life

- The indications of the audible range and battery life are based on the JEITA Standard\*2.
- Audible Range presumes that the megaphone employs new batteries and is used on a quiet street. It varies depending on such conditions as battery consumption, ambient noise, wind direction and obstacles.
- Battery Life assumes that megaphone is used for 30 minutes a day.



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Specifications are subject to change without notice.  
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