

POWER MEGAPHONES

Anti-bacteria Treatment

Splash-proof Hand Grip Type Megaphone



ER-1203



ER-1206



ER-1206W



ER-1206S

Compact Hand Grip Type Megaphone



ER-520



ER-520S



ER-520W

Hand Grip Type Megaphone



ER-1215



ER-1215S



ER-3215

Shoulder Type Megaphone



ER-2215



ER-2215W



ER-2230W



ER-2930W

DESCRIPTION

TOA portable power megaphones are available in different configurations to meet different user needs. Every model now has been treated for antibacterial properties to cope with use in multi-user environments. From light and compact configurations to high-performance shoulder-mounted types, TOA power megaphones offer exceptional reliability and performance. Models are available with resistance to water and humidity, meeting ISO splash-resistance guidelines. There are also other models for enhanced power output as well as a choice of a whistle or siren feature. The top-of-the-line shoulder types provide the greatest output power as well as range, also incorporating status indicators as well as AUX input and ETX. mic input. In addition, wireless microphone connectivity is available on one model for more flexible use. Featuring rugged construction for speaker elements and horns, TOA power megaphones prove ideal for voice reinforcement in almost any situation.

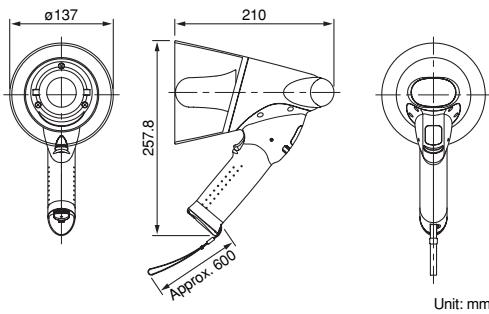
FEATURES

- Anti-bacterial treatment for all models (mouth/microphone and handle)
- Long-lasting battery life
- High durability ABS or ASA resin construction
- Compact and lightweight
- Wide frequency range for enhanced audio quality
- Neodymium magnets for high audio performance
- Polyimide speaker diaphragms
- Extended audible range
- Wireless Function (ER-2930W only)

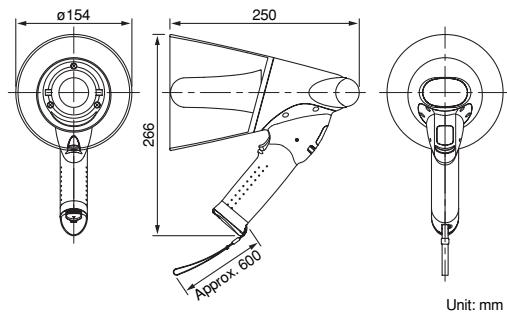
Splash-proof Hand Grip Type Megaphone

**ER-1203**

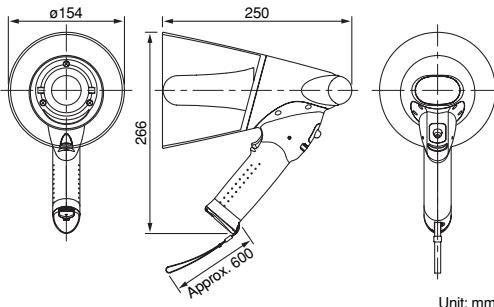
The ER-1203 is a compact splash-proof megaphone rated at 3W output and features IPX5 water-jet-resistant designs. Handle and microphone with anti-bacteria treatment improve hygiene and safety during use.

**ER-1206**

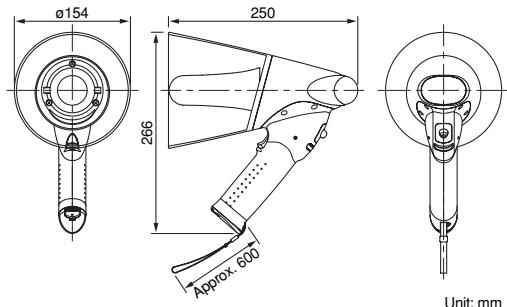
The ER-1206 is a compact splash-proof megaphone rated at 6W output and features IPX5 water-jet-resistant designs. It operates with 6 R6P batteries, or 4 R6P batteries when the battery spacer (accessory) is used. Handle and microphone with anti-bacteria treatment improve hygiene and safety during use.

**ER-1206W
(with Whistle signal)**

The ER-1206W is a compact splash-proof megaphone rated at 6W output featuring a built-in whistle. It features IPX5 water-jet-resistant designs. A whistle tone can be used for attracting attention. It operates with 6 R6P batteries, or 4 R6P batteries when the battery spacer (accessory) is used. Handle and microphone with anti-bacteria treatment improve hygiene and safety during use.

**ER-1206S
(with Siren signal)**

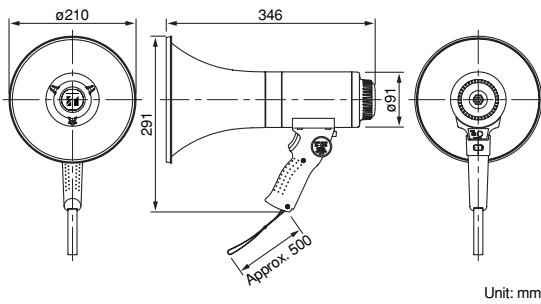
The ER-1206S is a compact splash-proof megaphone rated at 6W output featuring a built-in siren. It features IPX5 water-jet-resistant designs. A whistle tone can be used for attracting attention. It operates with 6 R6P batteries, or 4 R6P batteries when the battery spacer (accessory) is used. Handle and microphone with anti-bacteria treatment improve hygiene and safety during use.



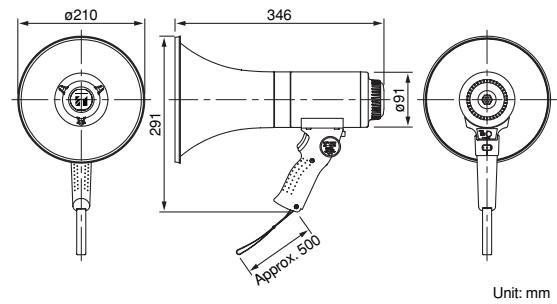
Hand Grip Type Megaphone

**ER-1215**

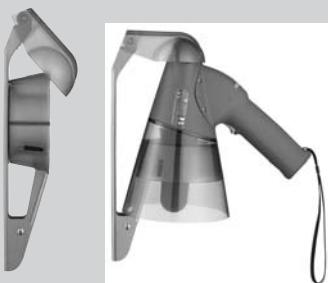
The ER-1215 is an easy-to-operate, hand grip type megaphone rated at 15W output. Handle and microphone with anti-bacteria treatment improve hygiene and safety during use. The newly developed polyimide diaphragm is employed to ensure high sound quality.

**ER-1215S
(with Siren signal)**

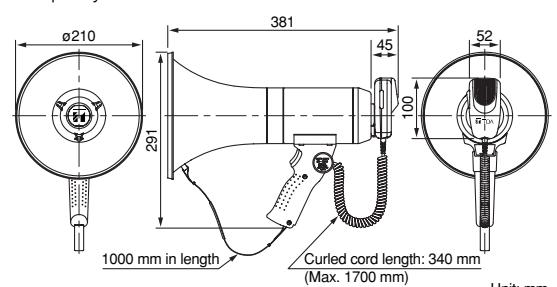
The ER-1215S is a hand grip type, 15W output megaphone with siren. Pressing the siren button sounds a siren continuously in emergency conditions. Handle and microphone with anti-bacteria treatment improve hygiene and safety during use. The newly developed polyimide diaphragm is employed to ensure high sound quality.



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-3215**

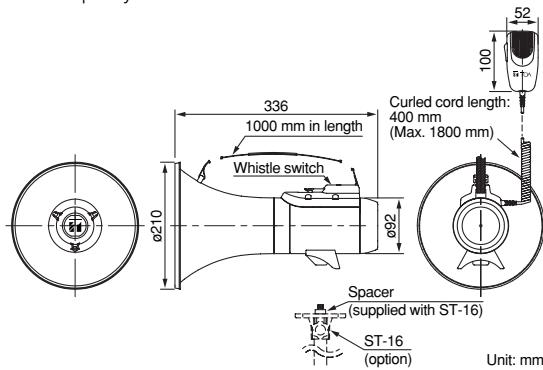
The ER-3215 is an easy-to-operate, hand grip type 15W megaphone. It can be used as a shoulder-type megaphone when the microphone is detached. Handle and microphone with anti-bacteria treatment improve hygiene and safety during use. The newly developed polyimide diaphragm is employed to ensure high sound quality.



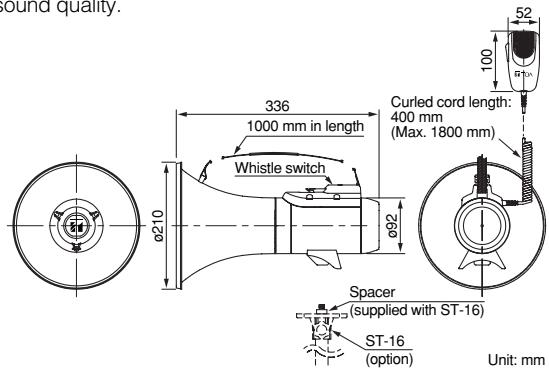
Shoulder Type Megaphone

**ER-2215**

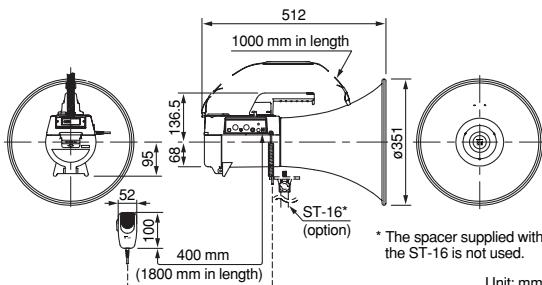
The ER-2215 is an easy-to-operate, shoulder megaphone rated at 15W of output and having a separate microphone. It can be mounted to the optional ST-16 speaker stand. Microphone with anti-bacteria treatment improve hygiene and safety during use. The newly developed polyimide diaphragm is employed to ensure high sound quality.

**ER-2215W
(with Whistle signal)**

The ER-2215W is a shoulder megaphone rated at 15W output. The ER-2215W comes with a whistle and has a separate microphone. It can be mounted to the optional ST-16 speaker stand. Microphone with anti-bacteria treatment improve hygiene and safety during use. The newly developed polyimide diaphragm is employed to ensure high sound quality.

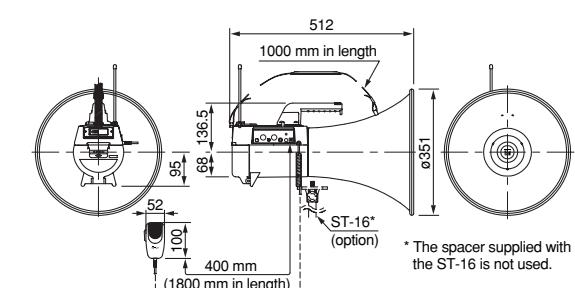
**ER-2230W
(with Whistle signal)**

The ER-2230W is a shoulder megaphone having an EXT. mic input, AUX input, DC power input, battery meter and whistle function. It can be mounted to the optional ST-16 speaker stand. Microphone with anti-bacteria treatment improve hygiene and safety during use. The newly developed polyimide diaphragm is employed to ensure high sound quality.

**ER-2930W
(with Whistle signal)**

The ER-2930W is a shoulder megaphone having an EXT. mic input, AUX input, DC power input, battery meter and whistle function. It can be mounted to the optional ST-16 speaker stand. Microphone with anti-bacteria treatment improve hygiene and safety during use.

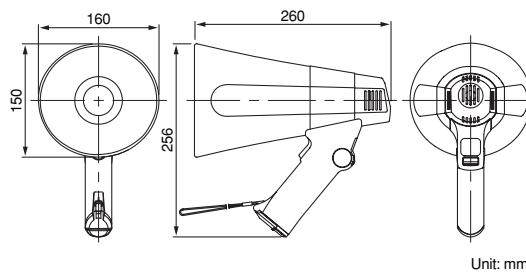
The newly developed polyimide diaphragm is employed to ensure high sound quality. A wireless function is also provided.



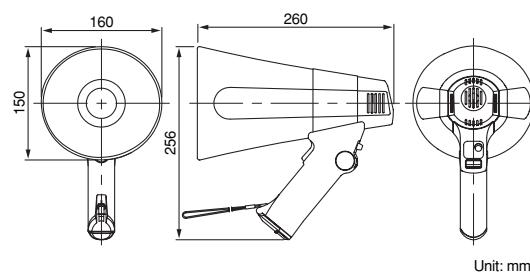
Compact Hand Grip Type Megaphone

**ER-520**

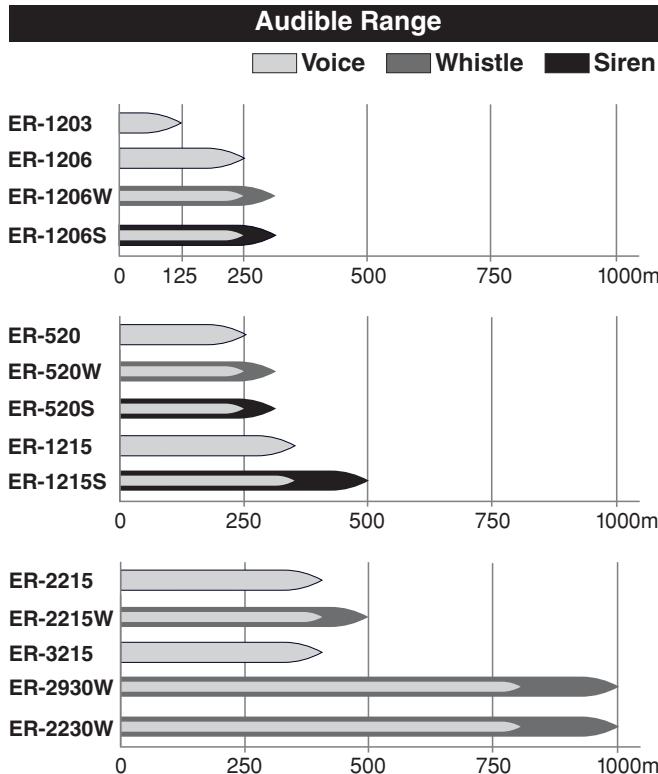
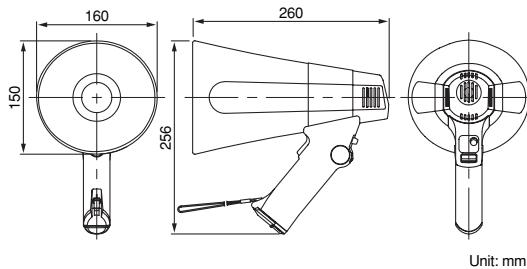
Small in size and light in weight, the ER-520 megaphone can be easily carried by a single hand. Handle and microphone with anti-bacteria treatment improve hygiene and safety during use. The newly developed polyimide diaphragm is employed to ensure high sound quality.

**ER-520W
(with Whistle signal)**

Small in size and light in weight, the ER-520W megaphone can be easily carried by a single hand. It can also provide a whistle tone. Handle and microphone with anti-bacteria treatment improve hygiene and safety during use. The newly developed polyimide diaphragm is employed to ensure high sound quality.

**ER-520S
(with Siren signal)**

Small in size and light in weight, the ER-520S megaphone can be easily carried by a single hand. It can also provide a siren tone. Handle and microphone with anti-bacteria treatment improve hygiene and safety during use. The newly developed polyimide diaphragm is employed to ensure high sound quality.



SPECIFICATIONS

	ER-1203	ER-1206	ER-1206W	ER-1206S
Power Source	R6P (AA) × 4 (6V DC)		R6P (AA) × 6 (9V DC) or R6P (AA) × 4 with battery spacer (6V DC)	
Rated Output	3W		6W	
Maximum Output	4W		10W	
Battery Life	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
Audible Range	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
Signal Sound	—	—	Whistle	Siren (sounds of 5 seconds intervals)
Frequency Response	500 – 6,000Hz (SPL –20dB)		450 – 6,000Hz (SPL –20dB)	
Magnetic Circuit		Neodymium magnet, inner magnet type		
Diaphragm		Polyimide film (voice coil, bobbin)		
Anti-bacteria Treatment		Mouth and handle		
Water Protection		IPX5		
Operating Temperature		–10°C to +40°C		
Finish	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
Dimensions	137 (W) × 257.8 (H) × 210 (D)mm		154 (W) × 266 (H) × 250 (D)mm	
Weight	610g (without batteries)	660g (without batteries)	680g (without batteries)	680g (without batteries)
Accessory	—	Battery spacer × 1		
Option		Wall mounting bracket for megaphone : SP-1100		

	ER-520	ER-520W	ER-520S	ER-1215	ER-1215S
Power Source	R6P (AA) × 8 (12V DC)			R14P (C) × 6 (9V DC)	
Rated Output	6W			15W	
Maximum Output	10W			23W	
Battery Life	Approx. 10 hours (JEITA)* ² —	Voice: Approx. 10 hours (JEITA)* ² Whistle: Approx. 30 min (JEITA)* ²	Voice: Approx. 10 hours (JEITA)* ² , Silent: Approx. 40 min (JEITA)* ²	Voice: Approx. 14 hours (JEITA)* ² —	Voice: Approx. 14 hours (JEITA)* ² , Siren: Approx. 20 min (JEITA)* ²
Audible Range	Voice: Approx. 250m (JEITA)* ² —	Voice: Approx. 250m (JEITA)* ² , Whistle: Approx. 315m (JEITA)* ²	Voice: Approx. 250m (JEITA)* ² , Silent: Approx. 315m (JEITA)* ²	Voice: Approx. 315m (JEITA)* ² —	Voice: Approx. 315m (JEITA)* ² , Siren: Approx. 500m (JEITA)* ²
Signal Sound	—	Whistle	Siren	—	Siren
Diaphragm		Polyimide film (voice coil, bobbin)			
Anti-bacteria Treatment		Mouth and handle			
Operating Temperature		–10°C to +40°C			
Finish	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
Dimensions	160 (W) × 256 (H) × 260 (D)mm			210 (W) × 291 (H) × 346 (D)mm	
Weight	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
Power Source	R14P (C) × 6 (9V DC)			Battery: R20P (D) × 10 (15V DC) External Power: 12V DC Battery	
Rated Output	15W			30W	
Maximum Output	23W			45W	
Battery Life	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	
Audible Range	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	
Signal Sound	—	Whistle (1,600Hz to 2,400Hz)	—	—	Whistle (1,600Hz to 2,400Hz)
AUX Input Sensitivity	—	—	—	–10dB* ¹ (300mV), 10kΩ (ø3.5 mini jack, stereo plug acceptable), volume control	
EXT Mic Input	—	—	—	600Ω, unbalanced, ø3.5 phone jack, volume control	
Receiving Frequency	—	—	—	—	UHF (800MHz band) and VHF (200MHz band)
Antenna	—	—	—	—	Fold-down flexible antenna
Diaphragm		Polyimide film (voice coil, bobbin)			
Anti-bacteria Treatment	Microphone	Mouth and handle	Microphone	Microphone	Microphone
Remaining Battery Indication	—	—	—	LED (also serves as a power indicator) Stereo ON: Normal use, Flashing: Batteries need replacement	
Operating Temperature			–10°C to +40°C		
Finish	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	
Dimensions	ø210 × 336mm	210 (W) × 291 (H) × 381 (D)mm (when attaching the microphone)			ø351 × 512mm
Weight	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
Accessories	—	—	—	ø3.5 mini plug (AUX input x 1), External power supply cord (1m) x 1, Splash-proof cover x 1* ³	
Option	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 optional

*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.

TOA Corporation

URL : www.toa.jp/

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