



# Power Megaphones



Effective communications for any situation.

# 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.

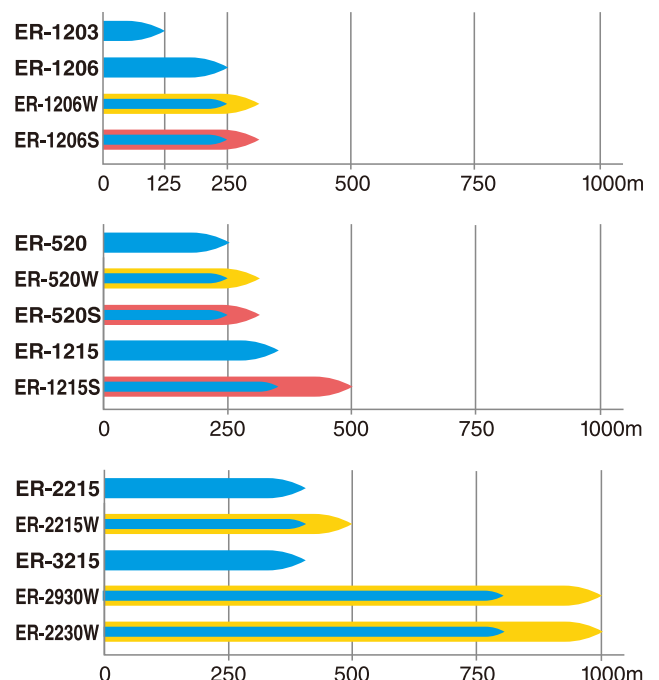
The wide range of types makes it easier than ever for the user to select the ideal megaphone for his or

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



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

## Compact Hand Grip Type Megaphone



## Hand Grip Type Megaphone



## Shoulder Type Megaphone



## 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.

|                       | ER-1203                                                                                | ER-1206                                                                                                                               | ER-1206W                                                                                                                                                                                       | ER1206S                                                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source          | R6P (AA) × 4 (6V DC)                                                                   |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                                            |
| Rated Output          | 3W                                                                                     |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                                            |
| Maximum Output        | 4W                                                                                     |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                                            |
| Battery Life          | Approx. 8 hours (JEITA)*2                                                              | When using six R6P batteries (JEITA)*2<br>Voice: Approx. 8 hours<br>When using four R6P batteries (JEITA)*2<br>Voice: Approx. 5 hours | When using six R6P batteries (JEITA)*2<br>Voice: Approx. 8 hours, Whistle: Approx. 20 minutes<br>When using four R6P batteries (JEITA)*<br>Voice: Approx. 5 hours, Whistle: Approx. 10 minutes | When using six R6P batteries (JEITA)*2<br>Voice: Approx. 8 hours, Siren: Approx. 20 minutes<br>When using four R6P batteries (JEITA)*<br>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<br>Whistle: Approx. 315m (JEITA)*                                                                                                                                | Voice: Approx. 250m (JEITA)*2<br>Siren: Approx. 315m (JEITA)*2                                                                                                                             |
| Signal Sound          | -                                                                                      | -                                                                                                                                     | Whistle                                                                                                                                                                                        | Siren (sounds of 5 seconds intervals)                                                                                                                                                      |
| Frequency Response    | 500 – 6 kHz (SPL -20dB)                                                                |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                                            |
| Magnetic Circuit      | Neodymium magnet, inner magnet type                                                    |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                                            |
| Diaphragm             | Polyimide film (voice coil, bobbin)                                                    |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                                            |
| Water Protection      | IPX5                                                                                   |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                                            |
| Operating Temperature | -10°C to +40°C                                                                         |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                                            |
| Finish                | Horn: ASA resin, clear dark gray<br>Other: ASA resin, dark gray<br>Strap: Nylon, black | Horn: ASA resin, clear dark gray<br>Other: ASA resin, dark gray<br>Strap: Nylon, black                                                | Horn: ASA resin, clear dark gray<br>Other: ASA resin, yellow<br>Strap: Nylon, black                                                                                                            | Horn: ASA resin, clear red<br>Other: ASA resin, red<br>Strap: Nylon, black                                                                                                                 |
| Dimensions            | 137 (W) × 257.8 (H) × 210 (D)mm                                                        |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                                            |
| Weight                | 610g (without batteries)                                                               | 660g (without batteries)                                                                                                              | 680g (without batteries)                                                                                                                                                                       | 680g (without batteries)                                                                                                                                                                   |
| Accessory             | -                                                                                      |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                                            |
| Option                | Wall mounting bracket for megaphone : SP-1100                                          |                                                                                                                                       |                                                                                                                                                                                                |                                                                                                                                                                                            |

## SP-1100 Wall Mounting Bracket



## ST-16A Microphone Stand



|                       | ER-520                                                                       | ER-520W                                                                      | ER-520S                                                               | ER-1215                                                                      | ER-1215S                                                              |
|-----------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Power Source          | R6P (AA) × 8 (12V DC)                                                        |                                                                              |                                                                       | 6P (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<br>Whistle: Approx. 30 min.(JEITA)*2       | Voice: Approx. 8 hours,<br>Siren: Approx. 10 hours                    | Voice: Approx. 14 hours (JEITA)*2                                            | Voice: Approx. 14 hours (JEITA)*2,<br>Siren: Approx. 20 min (JEITA)*2 |
| Audible Range         | Voice: Approx. 250m (JEITA)*2                                                | Voice: Approx. 250m (JEITA)*2<br>Whistle: Approx. 315m (JEITA)*2             | Voice: Approx. 250m (JEITA)*2<br>Whistle: Approx. 315m (JEITA)*       | Voice: Approx. 315m (JEITA)*2                                                | Voice: Approx. 315m (JEITA)*2, Siren:<br>Approx. 500m (JEITA)*2       |
| Signal Sound          | -                                                                            | Whistle                                                                      | Siren                                                                 | -                                                                            | Siren                                                                 |
| Diaphragm             | Polyimide film (voice coil, bobbin)                                          |                                                                              |                                                                       |                                                                              |                                                                       |
| Operating Temperature | -10°C to +40°C                                                               |                                                                              |                                                                       |                                                                              |                                                                       |
| Finish                | Horn: ABS resin, light gray<br>Other: ABS resin, gray<br>Strap: Nylon, black | Horn: ABS resin, light gray<br>Other: ABS resin, gray<br>Strap: Nylon, black | Horn: ABS resin, red<br>Other: ABS resin, gray<br>Strap: Nylon, black | Horn: ABS resin, light gray<br>Other: ABS resin, gray<br>Strap: Nylon, black | Horn: ABS resin, red<br>Other: ABS resin, red<br>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)                                              | 1.1 kg (without batteries)                                                   | 1.2 kg (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),<br>External Power: 12V DC Battery                                                                                           |                                                                                                             |
| Rated Output                 | 15W                                                                                      |                                                                        |                                                                     | 30W                                                                                                                                                          |                                                                                                             |
| Maximum Output               | 23W                                                                                      |                                                                        |                                                                     | 45W                                                                                                                                                          |                                                                                                             |
| Battery Life                 | Approx. 9 hours (JEITA)*2                                                                | Voice: Approx. 10 hours (JEITA)*2<br>Whistle: Approx. 20 min.(JEITA)*2 | Voice: Approx. 9 hours (JEITA)*2                                    | Voice: Approx. 17 hours (JEITA)*2,<br>Whistle: Approx. 90 min (JEITA)*2                                                                                      |                                                                                                             |
| Audible Range                | Voice: Approx. 400m (JEITA)*2                                                            | Voice: Approx. 400m (JEITA)*2<br>Whistle: Approx. 500m (JEITA)*2       | Voice: Approx. 400m (JEITA)*2                                       | Voice: Approx. 800m (JEITA)*2<br>Whistle: Approx. 1000m (JEITA)*                                                                                             |                                                                                                             |
| Signal Sound                 | -                                                                                        | Whistle (1.6 kHz - 2.4 kHz)                                            | -                                                                   | Whistle (1.6 kHz - 2.4 kHz)                                                                                                                                  |                                                                                                             |
| AUX Input Sensitivity        | -                                                                                        | -                                                                      | -                                                                   | -10dB*1 (300mV), 10kΩ (ø3.5 mini jack, stereo plug acceptable), volume control                                                                               |                                                                                                             |
| EXT Mic Input                | -                                                                                        | -                                                                      | -                                                                   | 600Ω, unbalanced, ø6.3 phone jack, volume control                                                                                                            |                                                                                                             |
| Receiving Frequency          | -                                                                                        | -                                                                      | -                                                                   | -                                                                                                                                                            | UHF (800MHz band) and VHF (200MHz band)                                                                     |
| Antenna                      | -                                                                                        | -                                                                      | -                                                                   | -                                                                                                                                                            | Fold-down flexible antenna                                                                                  |
| Diaphragm                    | Polyimide film (voice coil, bobbin)                                                      |                                                                        |                                                                     |                                                                                                                                                              |                                                                                                             |
| Remaining Battery Indication | -                                                                                        | -                                                                      | -                                                                   | LED (also serves as a power indicator)<br>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<br>Case top: Die-cast aluminum, gray, paint, Strap: Nylon, black, Others: ABS resin, gray |                                                                                                             |
| Dimensions                   | ø210 × 336mm                                                                             |                                                                        | 210 (W) x 291 (H) x 381 (D)mm (when attaching the microphone)       | ø351 x 512mm                                                                                                                                                 |                                                                                                             |
| Weight                       | Body: 1.1 kg (without microphone and batteries)<br>Microphone: 150g                      | Body: 1.2 kg (without microphone and batteries) Microphone: 150g       | Body: 1.15 kg(without microphone and batteries)<br>Microphone: 150g | 3.6 kg(without microphone and batteries) Microphone: 150g                                                                                                    | 3.8 kg(without microphone and batteries)<br>Microphone: 150g                                                |
| Accessory                    | -                                                                                        | -                                                                      | -                                                                   | ø3.5 mini plug (AUX input x 1, External power supply cord (1m) x1, Splash-proof cover x 1*3                                                                  |                                                                                                             |
| Option                       | Speaker stand: ST-16A                                                                    |                                                                        | -                                                                   | Speaker stand: ST-16, Microphone: DM series                                                                                                                  | Speaker stand: ST-16A, Microphone: DM series, Wireless Microphone: WM-5000 Series, Wireless tuner: WTU-4800 |

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

1. The indications of the audible range and battery life are based on the JEITA Standard\*2.

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.

3. Battery Life assumes that megaphone is used for 30 minutes a day.