



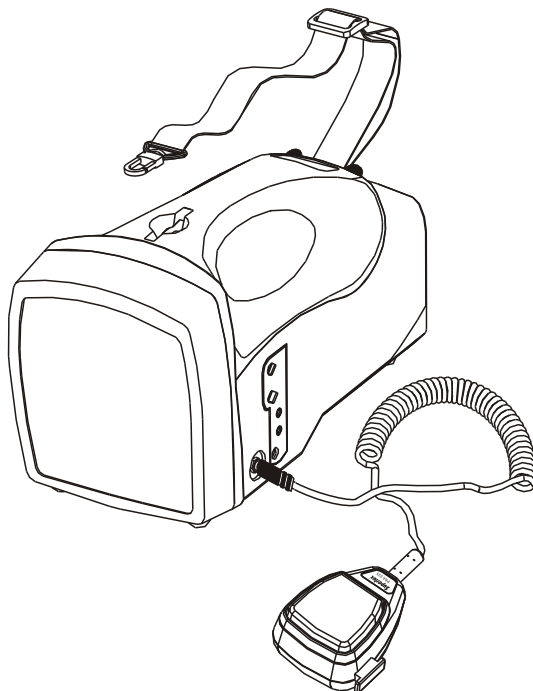
GOANG-FANN CO.,LTD.

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MA-818C

Wired Megaphone

User Manual

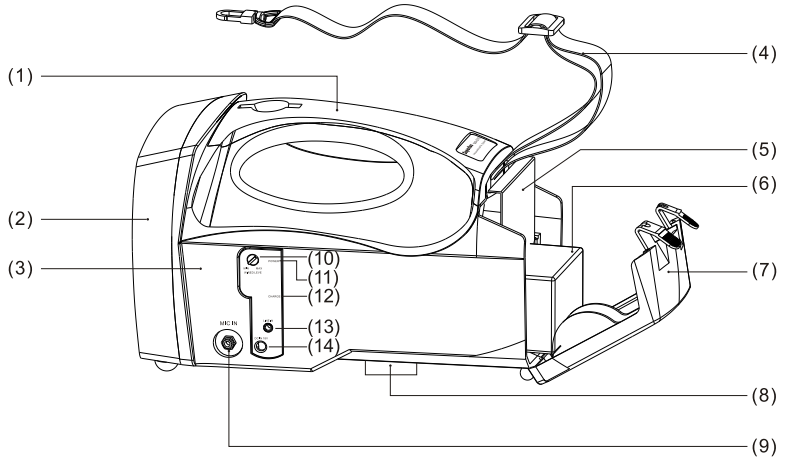


GOANG-FANN CO.,LTD.

MA-818C Rechargeable Wired Megaphone

Thanks for choosing our megaphone, please read this user manual carefully before using in order to understand the proper operation methods and to achieve the best effect.

I. Name and function of components



[Figure 1]

- (1) Handle: for the holding of the megaphone.
- (2) Loudspeaker: 5-inch whole range loudspeaker.
- (3) Body: the outer shell of the megaphone.
- (4) Belt: can be collected into the battery cell.
- (5) Battery baffle: for the protection of the battery.
- (6) Battery: supply power for the operation of the megaphone.
- (7) Battery cover: shut the rear part of the body.
- (8) Fixing base: There is a 5/8" x 27T hole on the bottom, so that it can be fixed on stand or other devices with matching screw.
- (9) Microphone input socket: for the input of wired microphone with a plug of 6.3mm.
- (10) Power switch and volume knob: switch on the power inside the megaphone and adjust the volume of the microphone.
- (11) Power indicator: when power is on, the light becomes red.
- (12) Battery recharging indicator:
 - a) Red light indicates low battery, need to be recharged in time, the recharging time should be over 4 hours.
 - b) Flickering green light means being recharged.

- c) When the green light is on, the recharging is finished.
 - d) The megaphone has an automatic switch-off function to protect the battery.
- (13) Sound source input socket: With a stereo socket of 3.5 mm, the outer sound source can be input the megaphone.
- (14) DC input socket: the central pole should be connected to a positive voltage of DC $18V \pm 10\%$ 2.5A.

II. Operation

1. The operation for the microphone and the receiver of the megaphone.

- 1-1 Turn on the power switch (10), and the power indicator (11) is on.
- 1-2 Plug in the wired microphone at socket (9) and switch on the microphone.
- 1-3 Turning the volume knob (10) clockwise to get the desired volume.

2. Recharging

- 2-1 A new megaphone should be charged before using.
- 2-2 Put the AC input plug of the power supply into the AC power socket (please note the voltage of the current), and put another end of the output cable into DC 18V socket (14), then recharging begins.
- 2-3 If the green LED is not flickering in recharging, the possible reason might be the over-discharging of the battery (6). The LED will flicker on after being recharged for sometime. This is a normal sign for the battery (6), not a failure. If the LED does not flicker on after being recharged for some time, it may indicate the failure of the battery (6).
- 2-4 When replacing the battery, open the battery cover (7) and pull out the battery baffle (5), take the connecting pole off to undo the battery (6), insert the connecting pole downwards back into the battery cell with + and - in the right direction.

3. Sound source input socket

- 3-1 Plug the sound source in at LINE IN (13), adjust its volume to the desired position at the sound source device.
- 3-2 Turn on the power switch (10). When sound source is input from LINE IN (13), its volume cannot be adjusted by the megaphone. Instead, the volume is controlled by the sound source device.

4. Holding

- 4-1 Hand-holding: Take the hook of the belt (4) off and put the belt into the storage cell inside the battery cover (7), then the megaphone can be held by hand.

4-2 Belt-holding: Open the battery cover (7) and take out the belt (4), hook the belt at the concave in the upper front of the body, then adjust the belt to the right length.

4-3 Tripod installation: Put the megaphone on the tripod or other devices with matching screw at the fixing base (8) to install it safely.

III. Specifications

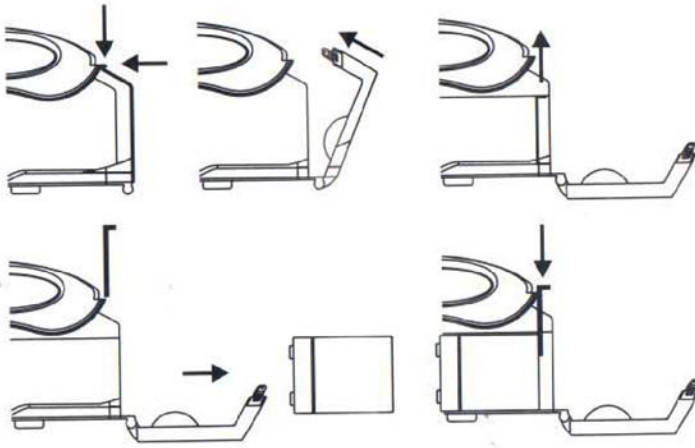
Max. output capacity:	27W (RMS) loaded impedance 4Ω (exterior power supply)
Total harmonic distortion:	≤ 1%
Frequency response:	50~18000Hz ± 3dB
Input sound source:	one wired microphone, one socket for sound source input
Loudspeaker:	one interior 5" loudspeaker with powerful magnet and high capacity
Recharging power and voltage:	Interior 12V/2.7 AH rechargeable battery, a smart recharger, and a power supply of AC 90~260V for computers.
Recharging time:	4 hours (automatic recharging management)
Working life:	about 8 hours (for speech reinforcement)
Dimensions:	L285xW160xH178mm
Weight :	3 kg (total)
Color :	black
Power-saving mode:	yes

IV. Replacing of the rechargeable battery

The rechargeable battery of this megaphone rarely needs replacing under normal operation conditions. In the case of long-time usage, a fully recharged battery may be desired, and then you can replace the battery following the 5 steps below. This megaphone uses one standard 12V/2.7A rechargeable battery, which you can order from our company.

1. Place the megaphone flatwise.
2. Press the two buckles of the battery cover to open it.
3. Pull out the inside battery baffle and remove the battery.
4. Put in the fully recharged battery with + and - in the right direction with connecting pole downwards, then push in the battery baffle.

5. Buckle the battery cover and make sure it is safely locked.



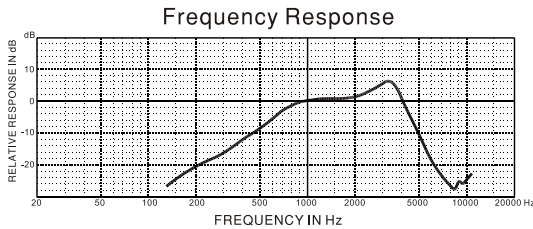
[Figure 2]

V. Configuration of the system

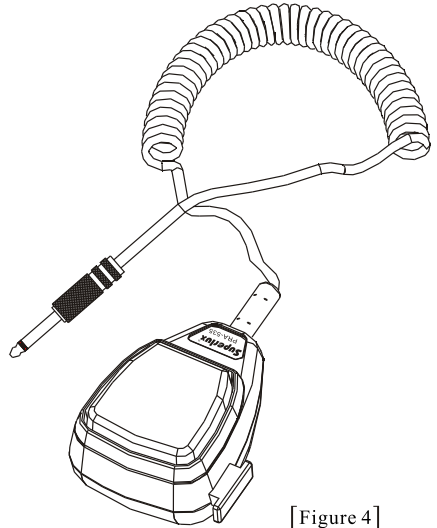
1. Standard configuration of MA-818C wired megaphone:
 - ◆ PRA-535 Handheld Wired Microphone
2. Recommended optional configuration of MA-818C wired megaphone:
 - ◆ DM-518 Dynamic Microphone for Performance
 - ◆ PRA-20 Headset Dynamic Microphone for Performance
 - ◆ HM-12G Versatile Clip
 - ◆ MS-108 Stand

PRA-535 Handheld Dynamic Microphone

PRA-535 is a handheld dynamic microphone. Its transducer features high reliability and advanced acoustic construction design; this makes it effective in resisting the ambient noise so as to perform a high level of intelligibility. PRA-535 is an ideal candidate for speech reinforcement in noisy and traveling environments such as in vehicles, vessels, etc.



[Figure 3]



[Figure 4]

Features

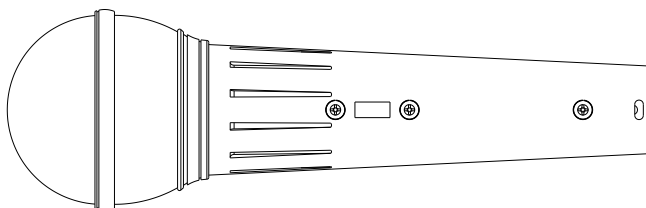
- ◆ Excellent attenuation of the ambient noise.
- ◆ Clear speech articulation and high intelligibility.
- ◆ Premium durability to high temperature, high humidity, vibration and dropping
- ◆ Corrosion-resistant body (against oil, acid and alkali).
- ◆ Press-to-talk switch, working life of 200,000 times.

Specifications

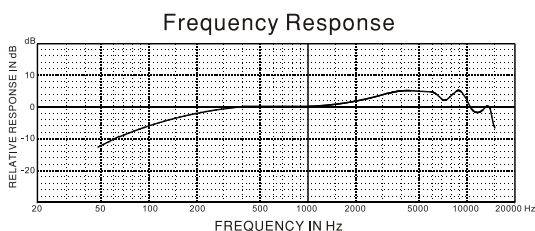
- ◆ Type: Handheld Dynamic
- ◆ Frequency response: 300~5000Hz
- ◆ Sensitivity: -68dBV/Pa (0.4mV/Pa)
- ◆ Rated impedance: 200Ω
- ◆ Operation temperature range: -40°C~74°C (-104°F~165°F)
- ◆ Switch type: Press-to-talk
- ◆ Cable: Φ6.3mmx3.4M (Φ1/4"x11ft)
- ◆ Weight: 250 g (cable included)

DM-518 Handheld Dynamic Microphone

DM-518 is a handheld dynamic microphone with excellent performance. First, a vibration-proof capsule and a hardened steel mesh grill make it applicable in tough environments. Second, the capsule applies a dual dome diaphragms with special shape, this not only extends the frequency response in high-section, but also improves the linearity and stability of the coil movement. So DM-518 can produce a sound of strength and tenderness for vocals. Third, its sound phase shifting loop gives the microphone high gain before feedback and reduces the howling effectively.



[Figure 5]



[Figure 6]

Features

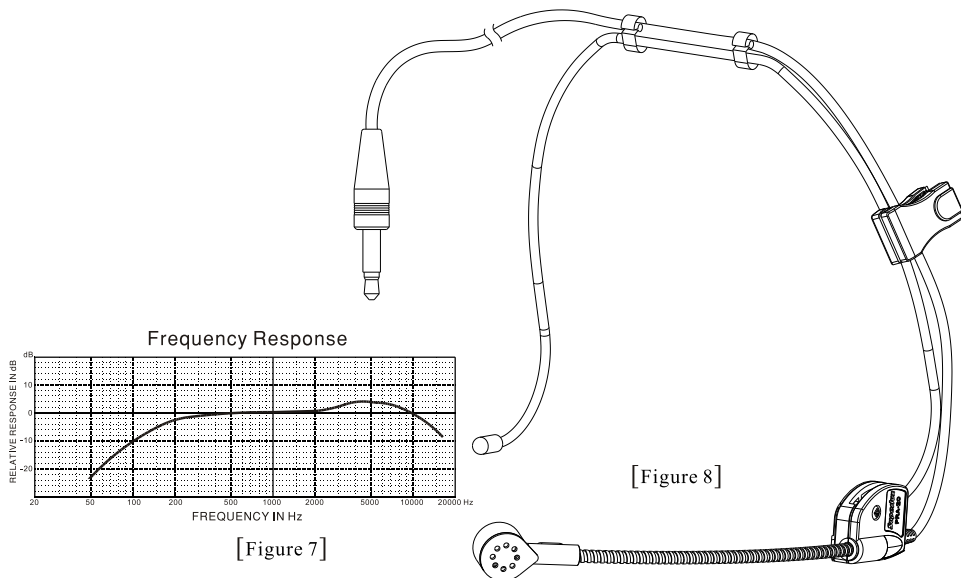
- ◆ Internationally typical frequency response for vocals.
- ◆ Tone with strength.
- ◆ Super-cardioid polar pattern, high gain before feedback.

Specifications

- ◆ Type: Handheld Dynamic
- ◆ Polar pattern: super-cardioid
- ◆ Frequency response: 50~15000Hz
- ◆ Sensitivity: -52dBV/Pa (2.5mV/Pa)
- ◆ Rated impedance: 500Ω
- ◆ Dimensions: Max. Φ52 x 165mm
- ◆ Weight: 300g

PRA-20 Headset Dynamic Microphone for Performance

PRA-20 is a light and mini headset microphone to singers with a tailed frequency response for close picking-up. With the elastic steel frame designed according to human engineering, the microphone gives the best wearing mode for active users.



Features

- ◆ Special design of gooseneck, comfortable and easy to adjust.
- ◆ Close picking-up design.
- ◆ 3.5mm Phone Plug, the improved soft capsulation stands better for humidity and wearing.
- ◆ Cardioid polar pattern, high gain before feedback.
- ◆ Reliable and easy-to-fix windshield to reduce POP.

Specifications

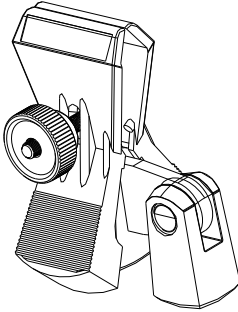
- ◆ Type: Dynamic/design for close picking-up
- ◆ Polar pattern: Cardioid
- ◆ Frequency response: 50~15000Hz
- ◆ Sensitivity: -67dBV/Pa (0.45mV/Pa)
- ◆ Rated impedance: 200Ω
- ◆ Weight: 23g

HM-12G Versatile Clip

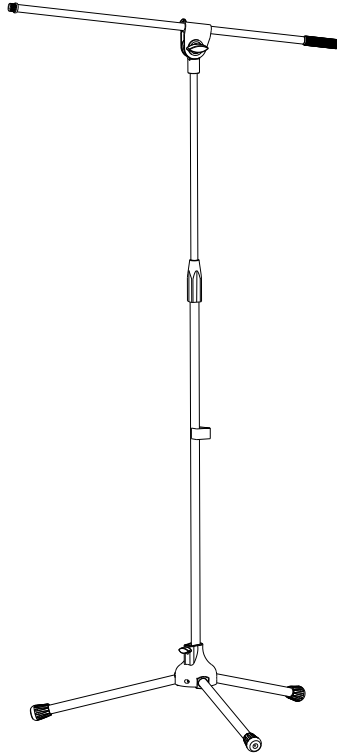
HM-12G clip is molded by elastic plastics, unlikely to deform, and they are applicable to both wireless microphones of large diameter and taper microphones of smaller diameter.(Figure 9).

Rotatable within 180°

3/8" x 16 T ~ 5/8" x 27 T screw nut.



[Figure 9]



[Figure 10]

MS-108 Stand

- ◆ Strong plastics for stand feet.
- ◆ 3/8"X16T screw bolt.
- ◆ Height adjustable between 90 mm and 150 mm.
- ◆ Extension range of the feet: 80 cm.
- ◆ Weight: 12 kg.

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