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SoundRanger MICRO Model RPA-20 (40SFRPA20) Portable Public Address System User Guide



Introduction

Used with a radio microphone (e.g. the SoundRanger RMH-203 / 40SFXMH*), the SoundRanger MICRO is a compact, easy to use way for you to talk to any audience anywhere.

It is amazingly compact and easily portable, with a surprisingly big sound for its size.

The sound quality is crisp and clear; speech intelligibility is excellent.

The MICRO can be hand carried, slung over your shoulder using the built-in shoulder strap, placed on any flat surface or fitted onto a suitable stand (e.g. the SoundRanger SS-M04 / MX180040).

Quick Start

To get the best from the system you really ought to read the instructions, but, if you can't wait, this is what you do:

1. Position the MICRO anywhere suitable, preferably at head height or higher.
2. Turn up the volume control on the side panel to about half-way.
3. Switch the microphone on (for use with the headset or lapel microphone, see page 5).
4. Talk directly into the microphone and adjust the volume control to suit.

Yes, it's as simple as that.

**If you need any advice or assistance, please
contact Connevens Limited Ltd on 01737 247571**

Control Panel



No.	Control	Function
1	On/Off Switch and Volume Control	Controls the volume of the radio-microphone
2	Volume Control	Controls the volume of the cable microphone (socket 3)
3	Input Socket	Plug the cable microphone in here
4	Power On LED	Red shows power on
5	Charging Status LED	Shows state of charge of the battery: Red –Battery is low and needs charging Green Blinking - Battery is charging Green Solid - Battery is fully charged
6	Aux Input Socket	Fixed level input for connecting external equipment
7	Line out Socket	Output to an external amplifier (disconnects the internal loudspeaker)
8	Power Input Socket	18 Volt input from power supply to charge the battery

Operating Instructions

Battery Charging:

- 1) **Always charge the battery as soon as possible after using the amplifier**
- 2) Do not leave the battery in a discharged state for a long time
- 3) Always switch the amplifier off after use. Do not leave the amplifier switched on when you store it in between use.
- 4) **Follow the booster charging procedure (see below) every three months**

Normal charging procedure (after every use of the amplifier)

- 1) Connect the power supply to the amplifier (DC IN 18V Socket) and to the mains
- 2) Turn the amplifier **off** and switch the mains on
- 3) Observe the green charging light; if it is blinking, the amplifier is charging
- 4) Disconnect the power supply when the green light stops blinking

Booster charging procedure

(every three months, whether you have used the amplifier or not)

As for normal charging but leave the amplifier on charge for 4 hours after the green light has stopped flashing.

Battery failure

If the amplifier cuts out after a short period of use, try using the booster charging procedure as above.

If there is no improvement, contact Connevens Limited on 01737 247571.

A replacement battery will cost about £37 - including postage & packing and VAT.

Positioning:

The MICRO should be placed on a suitable stand (e.g. the SoundRanger SS-M04 / MX180040) microphone stand). It is always best to keep the loudspeaker at the head height of your audience and in front of the microphone.

Operating:

Switch on the MICRO and turn the volume knob up to about half-way.

Switch on the microphone and talk normally directly into the grille.

You can adjust the volume to suit your audience, but, in order to avoid feedback (high pitched whistling), do not point the microphone directly at the loudspeaker or stand directly in front of the loudspeaker. If you are in a confined space, you may experience feedback at lower levels, in which case you should turn down the volume.

Auxiliary Input

There is a auxiliary input on the MICRO, which can be used for a line level sound source (e.g. a CD player, a cassette player). This sound source should be plugged into the mini-jack socket labelled "LINE IN". There is no separate volume control for this input, so your sound source will need to have its own volume control.

Using another MICRO as a slave amplifier

The MICRO model RPA-20 can be used with a MICRO model RPN-20 (40SFRPN20) to double the output power. The RPA-20 is fitted with a special line output socket.

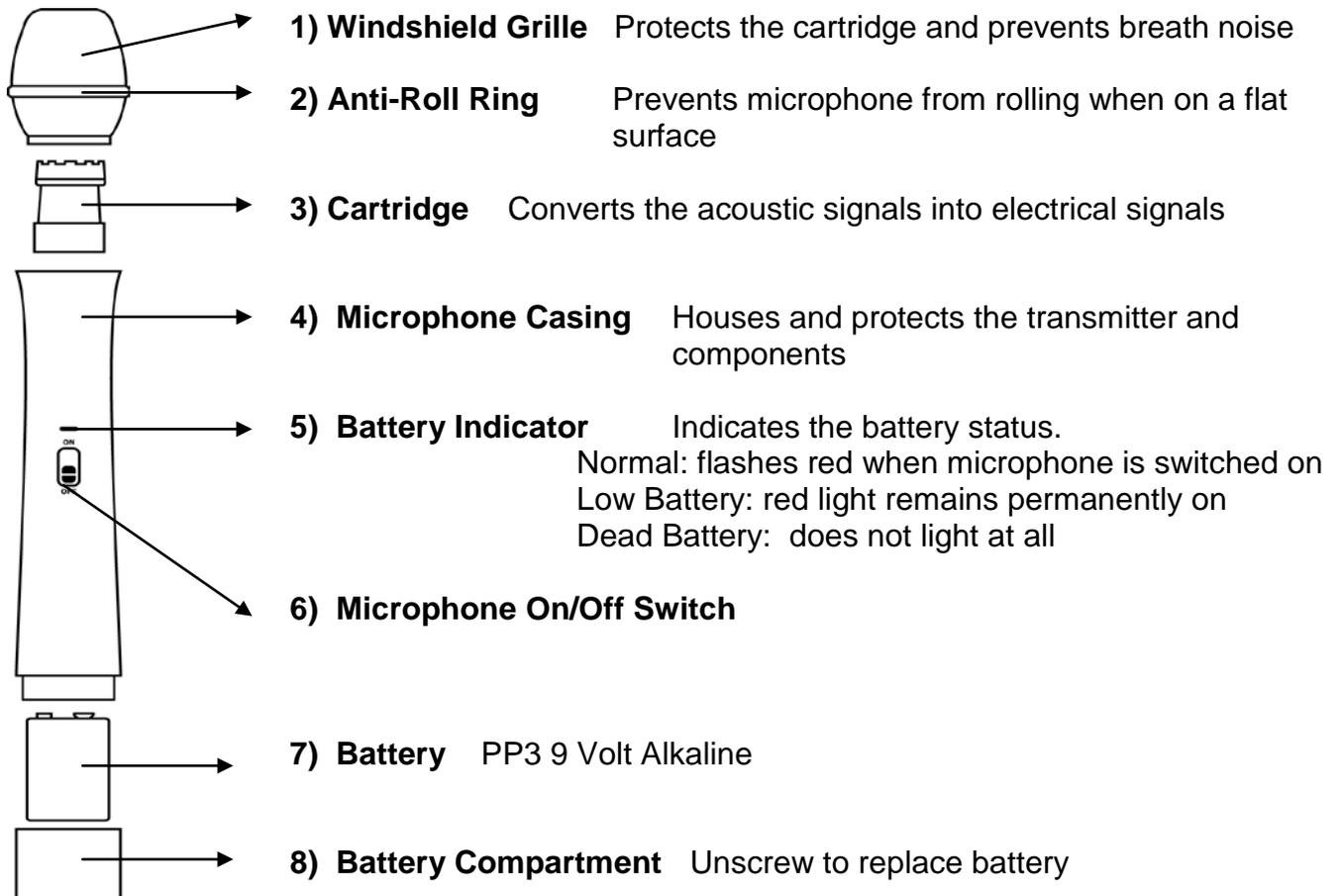
Using the appropriate cable (3.5mm Stereo Jack Plug to Plug E.g. 40SFXJJ15 15m lead), connect the RPA-20 line output to the RPN-20 LINE IN socket. *When used in this way, the RPN-20 'microphone volume' control will have no effect.*

MICRO (Model RPA-20 / 40SFRPA&0) Specifications

Power Output	25 Watts into a 4 ohm load
THD	<1%
Frequency Response	50 Hz – 15KHz +/- 3dB
Speakers	Single high sensitivity 5 inch full range speaker
Power Supply	12V 2.7 A/H rechargeable battery with intelligent charger 18 Volt AC power supply for charging the battery
Charging Time	Approx. 4 hours
Operating Time	Approx. 8 hours talk time
Dimensions (mm)	280L x 160W x 178H
Weight	3 Kg (with battery)

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RMH-203 Hand-Held Radio-Microphone (40SFXMH)



Battery Installation

Unscrew the battery cover and insert a PP3 9-volt alkaline battery, being careful to observe the correct polarity. Screw the battery cover back in position to hold the battery in contact. When the microphone is switched on, the battery indicator should flash once. If no flash occurs, please check the polarity and make sure the battery is a new one.

Operation

Switch on the microphone; the battery indicator should flash red once.

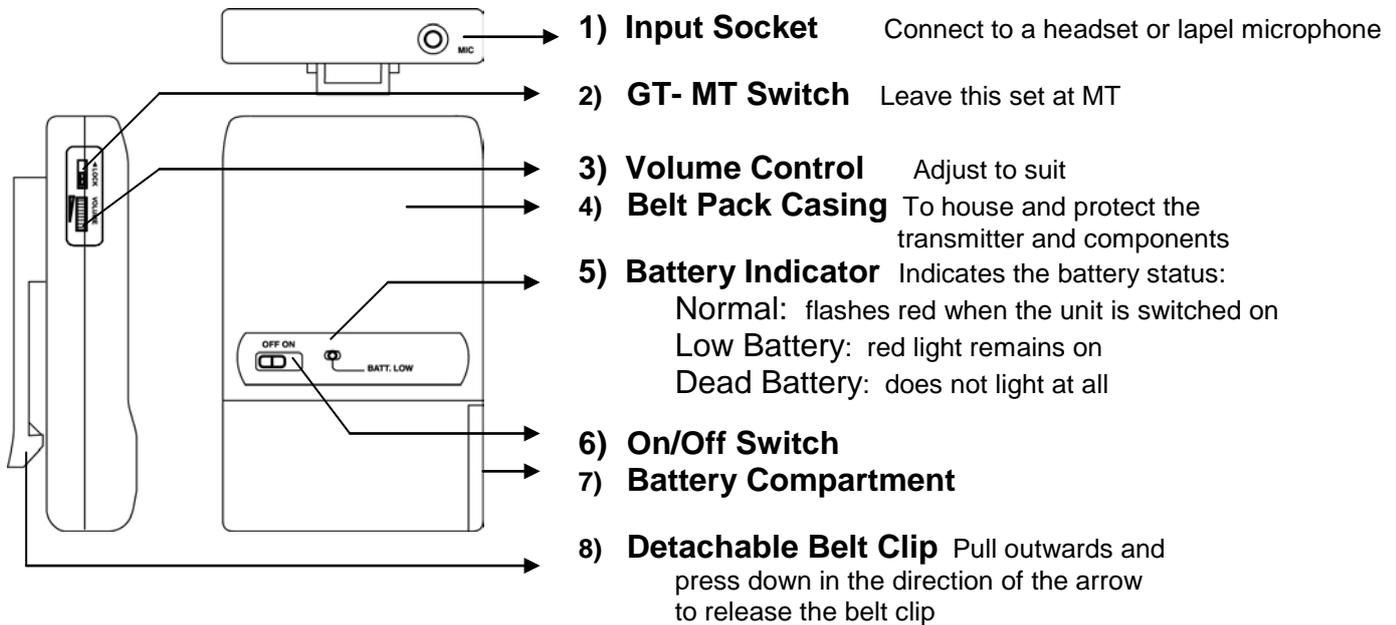
Switch on the amplifier, turn the volume up a little way and speak directly into the microphone. Best results will be obtained by speaking fairly close to the grille (20 to 40 mm).

You can adjust the volume to suit your audience, but, to avoid feedback (high pitched whistling), do not point the microphone directly at the loudspeaker or stand directly in front of the loudspeaker. If you are in a confined space, turn the volume down.

When you are not using the microphone, turn it off to prolong the battery life.

RMT-103 Belt-Pack Transmitter (40SFXMT4)

For use with the RMU-33 (40SFXM33HN) headset microphone
or the RMU-50 lapel microphone (40SFXMUL4)



Battery Installation

Push and slide down to open the battery compartment. Fit a 9 Volt PP3 alkaline battery, being careful to observe the correct polarity. Push and slide up to close the battery compartment. When the transmitter is switched on, the battery indicator should flash red once. If no flash occurs, please check the polarity and make sure the battery is a new one.

Operation

Headset Microphone:

Follow the instructions provided with the headset microphone.

Lapel Microphone: plug the lapel microphone into the input socket of the belt-pack transmitter. Locate and push the connector home and tighten the locking ring. Clip the microphone onto your clothing with the capsule pointing upwards towards your lips. Best results will be obtained if you fix the microphone as close to your mouth as possible. When speaking, try to keep you head level and pointing straight ahead so that the microphone picks up your voice evenly. If feedback (high-pitched whistling) is a problem, reduce the volume control.

You can clip the belt-pack to your clothing or put it in your pocket.

Belt-Pack Transmitter:

Leave the GT-MT switch set to MT. Set the volume control on the belt-pack about half way up and use the amplifier volume control to adjust the loudness to suit your audience. If you wish to adjust the volume while speaking, you can do so from the belt-pack.

Switch on transmitter; the battery indicator should flash red once.

Switch on the amplifier, turn the volume up a little way and speak normally into the headset or lapel microphone.

You can adjust the volume to suit your audience, but, to avoid feedback (high pitched whistling), do not stand directly in front of the speaker. If you are in a confined space, turn the volume down.

When you are not using the transmitter, turn it off to prolong the battery life.