StreetSounds
STS-170-MMST
Mobile Master

User Guide

V1.0
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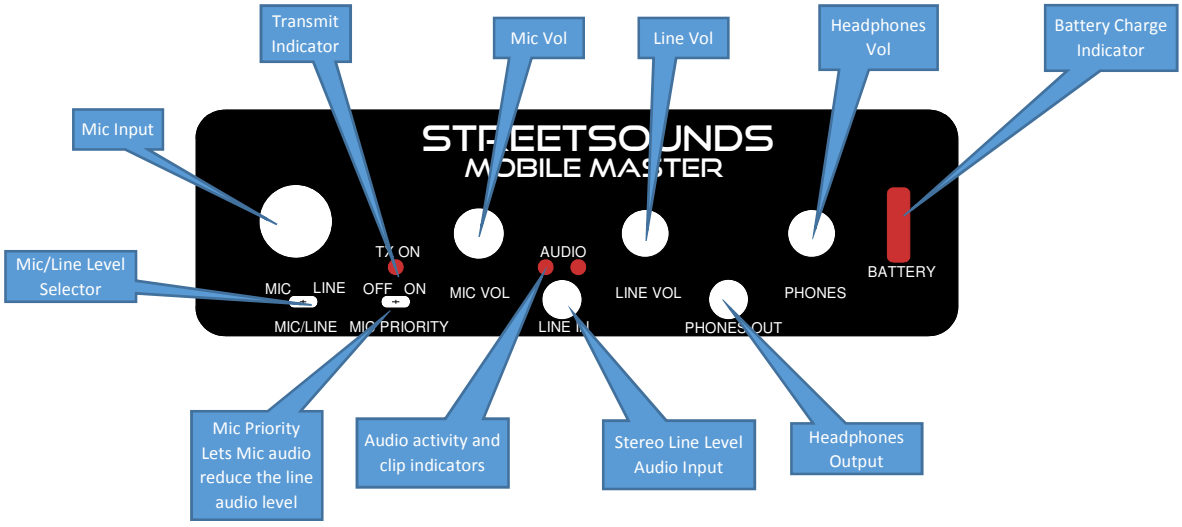
1 INTRODUCTION

The Mobile Master ("Mobi") is a mobile, battery-powered StreetSounds master transmitter that includes a two-channel audio mixer on its input. The mixer has one input for Microphone-level audio, and a second input for line-level stereo audio input. Both have independent volume controls to allow mixing of the two audio signals for transmission to a StreetSounds® network.

1.1 MOBI FRONT PANEL

Below are the front panel controls for the Mobi.

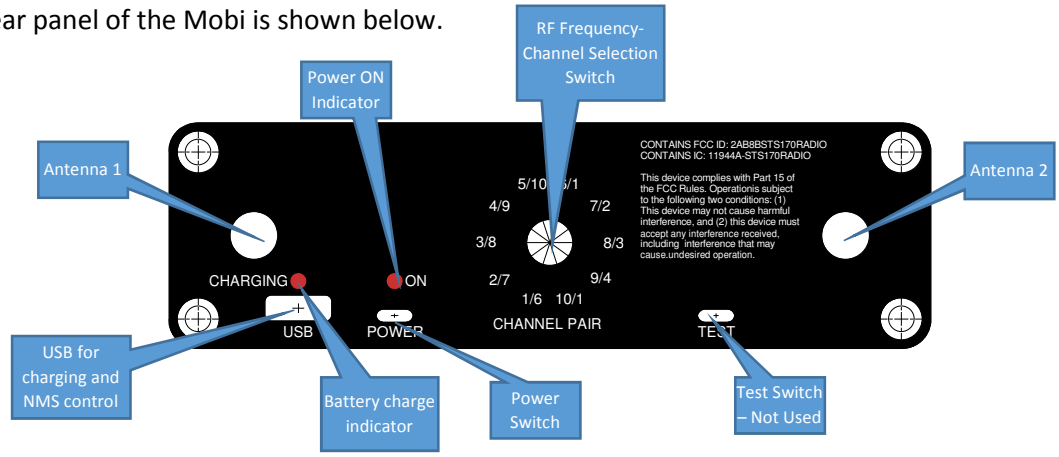


The Mic/Line switch allows the Mic input to accept line-level balanced mono audio if a microphone is not being used. For example, if you are using an external mixer board you can insert a balanced mono mix of the board's output into this port. BE CAREFUL THAT YOU HAVE CHANGED THE SWITCH POSITION TO "LINE" BEFORE TURNING UP THE VOLUME OF THIS INPUT. If the switch is in the "Mic" position you will overload the remote StreetSounds audio amplifier potentially causing damage to the system.

The Mic Priority switch allows audio from the Mic input to automatically reduce the audio level of the Line input by ~20db. So that when you talk into the Mic, the line level audio temporarily drops, and the returns to its original level when you stop talking. This prevents you from having to manually turn the Line input down in order to more clearly hear the mic input.

1.2 MOBI REAR PANEL

The rear panel of the Mobi is shown below.



The RF Frequency/Channel Selection Switch rotary switch allows you to select which channel pair is used for the Mobi transmission. The frequency spacing between the channel pairs is fixed (1&6, 2&7, 3&8, 4&9, 5&10).

The USB interface is both a charger port for the battery, as well as a control interface for the Network Management System application. It is recommended that the Power switch be left OFF while the battery is charging. This will significantly speed up the recharge time of the battery.

Make sure both antennas are attached securely during operation of the Mobi.

1.3 OPERATING THE MOBI

Make sure all volume controls are set to their minimum level before turning on the unit. Once the unit is powered, you can begin to slowly increase the volume setting. Be careful not to over drive the remote StreetSounds® units. If overdriven, the remote unit may self-protect causing a temporary loss of power. If this happens, turn down the audio level of the Mobi and monitor the level to prevent this from recurring.

Keep an eye on battery level. A freshly charged battery should last ~12 hours. It can take ~1 – 2 hours to completely recharge.

Connecting the Mobi via the USB interface to a laptop running the StreetSounds® Network Management System (NMS) application will give you full visibility and control of your entire network. Each remote can be monitored and controlled from the NMS interface. See the Network Management System User Guide for more details.

2 FCC STATEMENTS

2.1 CLASS B DEVICES:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

2.2 RF EXPOSURE AND SAFETY INFORMATION

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance **30cm** between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Access to the internal module is reasonably restricted by the host packaging. ***The end-user has no manual instructions to remove or install the module.*** Questions or concerns regarding product safety should be referred to AirNetix, LLC, 2218 Edgartown Lane SE, Smyrna, GA 30080.

2.3 MODULAR RADIO

This host device contains a modular radio with FCC ID: 2AB8BSTS170RADIO and IC: 1944A-STS170RADIO

3 INDUSTRY CANADA SPECIFIC STATEMENTS:

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

This radio transmitter **11944A-STS170RADIO** has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio **11944A-STS170RADIO** a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maxi mal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

- 2 dBi dipole
- 14 dbi Yagi
- 8 dbi Patch
- 8 dbi Omni directional antenna

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