AirNetix

STS-220-RAMP
Wireless Audio Radio/Amplifier

Features:

◊ Radio/Amplifier all in one enclosure

◊ Up to 20 Watts of stereo audio power

◊ Point –to-point, point-to-multipoint, or point-to-point-to-point RF links.

◊ High quality stereo audio channels

◊ Full over-the-air remote monitor and control of all settable functions

◊ Fully weatherproof (IP-67/68) in a rugged aluminum enclosure.

◊ AC powered from 110 ~ 277VAC

The StreetSounds® "RAMP" is a combination digital Radio (900 MHz) plus a 2-channel 20 watt class-D audio amplifier, housed in a rugged, weatherproof aluminum enclosure built to withstand harsh, outdoor environmental conditions in permanent installations.

The radio is compatible with the StreetSounds® proprietary air interface and is fully controllable over the air when using the StreetSounds® Network Management System (NMS). The RAMP operates in the license free 900 MHz ISM band from 902—928 MHz The range of the RF technology is >1000' when mounted above 20' and with good line-of-sight to the next radio and using optional high-gain antennas. All radios are "repeaters" which allows the network coverage to be extended much further than a simple transmitter/receiver design.

The internal audio amplifier include two audio channels (stereo) and can deliver ~20 watts RMS into two 8 ohm speakers. The amplifier can drive any low impedance (4 or 8 ohm) speaker. The RAMP speaker outputs utilize the outdoor-rated connectors to achieve a robust weatherproof speaker connection.

The RAMP runs on 110VAC ~ 277VAC power and includes an outdoor rated 6' power cable terminated with a standard 3-prong NEMA-5 plug. The RAMP includes two 2dbi whip antennas with Type-N connectors. Higher gain antennas can be used to achieve longer RF links when necessary. The RAMP enclosure measures 5" x 4" x 2.5" and weighs 1.5 lbs.

In addition to the outbound audio channel, there is a two-way control channel that gives you full control over every element in the network. This includes monitoring received signal level/quality at any remote unit, changing audio gain, monitoring temperature, and adding/modifying audio delay into the link when used in live audio applications that require delay compensation. Each link can introduce up to 500 mSec of delay, which can be added to the delay of the previous link for longer hops.

The powerful Network Management System (NMS) is a PC-based application that gives you full visibility and control over the network of devices. The NMS includes a spectrum monitor (analyzer) to measure local interference, a Scheduler for time-of-day, day-of-week management of muting remotes, a Message Player for playing pre-recorded message (ads, spots), and a sophisticated Alarm system for sending alarms via text or email to the network operator.

RAMP Kit

The RAMP kit includes the STS-220-RAMP, two 2dbi whip antennas, AC power cord, and two speaker wires. Shown below is an optional antenna extender cable which allows the antenna to be mounted up to 20 feet away from the RAMP enclosure.

Optional Pole/Wall Mount

The optional pole/wall mount provides a surface for mounting the RAMP to a wall, pole, or attaching a temporary clamp for mobile sound production events.