

# System 20 PRO

Self-managing, plug-and-play 2.4GHz Digital Wireless System



## Overview

- Digital 24-bit/48 kHz operation for premium sound quality
- 2 transmission modes : Standard (10 Ch.) & High Density (20 Ch.)
- Up to 4 Channels per receiver
- Automatic setup and frequency selection
- Transmitters already paired and ready to use out of the box.
- Setup, management and monitoring via Wireless Manager



Automatic Setup



100m  
Cat. 5e  
Antenna Link



Up to 20  
Channels



Interference  
Free



Network  
Connectable



High  
Autonomy



### ATW-R1440

#### 4-Channel Receiver

ATW-RC14, ATW-RU14, 4 Antennas,  
AC adapter, Rack ears, RJ12 link cable included



### ATW-T1401

#### Body-Pack Transmitter

10 mW, Microphone not included, 80g



### ATW-CHG3a/CHG3Na

#### Two-Bay Charging Station

12V DC, 5 Docks connectable, 400g



### ATW-T1402

#### Handheld Microphone Transmitter

10 mW, Mic holder included, 300g



### AD-SA1230XAEU

#### AC adapter

240V AC - 12V DC,  
Powering up to 5 linked stations



### ATW-T1406

#### Boundary Microphone Transmitter

10mW, USB rechargeable 3.7 V Li-on battery, 510g



### AT8687

#### Link Kit

Plate and ribbon cable,  
Linking 2 charging stations



### ATW-T1407

#### Desk Stand Transmitter

10mW, USB rechargeable 3.7 V Li-on battery, 490g

# System 20 PRO

## Self-managing, plug-and-play 2.4GHz Digital Wireless System



### / Compact and Scalable

The system comes in the form of a 19" half-rack chassis that can be linked using the supplied RJ12 cable. Up to 5 chassis can be linked, enabling up to 20 channels to be used simultaneously.

### / The 2.4GHz WiFi band

System 20 PRO offers plug-and-play connectivity in the 2.4GHz range, and guarantees to be completely free from TV interference. Unlike traditional frequencies, this license-free bandwidth is not subject to the congestion and adjustments imposed by DTT and the ever-growing needs of telecoms operators.

### / Simplicity by Design

The transmitters in each system are paired and ready to use out of the box, and offer all-day operation on a full charge.

- No technical knowledge required
- Adding transmitters and receivers is simple
- Switch quickly and easily between different transmitters

### / Assistive Operation

Designed for hassle-free deployment, System 20 PRO overcomes many challenges of conventional wireless microphones, such as frequency coordination, complex intermodulation calculations, and remote antenna cabling.

### / Interference Free

The transmitters and receivers are at the heart of the system, and each element is actually a transceiver. They constantly communicate in a two-way connection, allowing the System 20 Pro to detect and adjust its frequency to avoid interference.

### / Expand Existing Systems

System 20 Pro works on frequencies outside of traditional wireless systems and is the ideal solution when extra channels are needed in an existing wireless installation. Placing System 20 PRO amongst pre-existing UHF wireless systems will not cause intermodulation or interference and any systems using TV frequencies will not need to be reconfigured.

### / Easy to Install

Receivers can either remain docked in the half-rack chassis, or be removed and installed up to 100m away using an Ethernet cable to get as close as possible to the coverage area.

### / High Quality Audio

System 20 PRO ensures consistently high quality audio with frequency response from 20Hz to 20kHz, and 24-bit/48kHz audio quality in both standard and high-density mode.

### / Low Latency

Latency is unavoidable in any digital wireless system. What's important is that the delay between the original audio input and its output from a speaker is small enough to be imperceptible. In this respect, the System 20 Pro goes well beyond market standards in both standard and high-density mode.

### / Autonomous Charging

The body-pack and handheld transmitters are powered by 2 AA batteries. Li-on batteries can be charged without removing them from the transmitter using either the ATW-CHG3a or ATW-CHG3Na two-bay charging dock. When placed into the charging dock they automatically enter standby mode and become live again when removed. Five docks can be linked and powered via a single power supply and charging status is centrally monitored, powering off if alkaline or damaged batteries are detected.

