AirLine 77



No Limits.



For two decades Samson has led the world in wireless technology for musicians. Our philosophy: Make cutting-edge technology available to everyone. No system has ever done it like this before: Our revolutionary Airline Wireless Systems—with no belt packs—at prices everyone can afford.



CR77 RECEIVER

The heart of Airline 77 is our new CR77 Receiver.
This true-diversity half-rack unit with PLL frequency control works with all of the Airline transmitters. Rugged, durable and crystal clear with incredible range. UHF (Ultra High Frequency) means clearer frequencies with less interference.









AH1 WIND INSTRUMENT TRANSMITTER

Brass, woodwind, any kind of instrument can go completely wireless now with Airline 77. When you still have a wire running from your horn to your belt pack, you might as well not be wireless. Not a problem with Airline wireless systems. The whole system clips onto your horn, no more wires.

HM40

High quality condenser element for any instrument.

AMT Roaming 1

Used by the biggest names in jazz. A stellar performer, the Samson/AMT system provides recording-studio quality audio.





AL1 PRESENTATION TRANSMITTER & QL1 LAVALIER

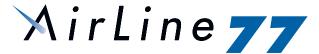
Maybe the coolest lavalier mic system ever. The AL1 is a clip-on high fidelity mic on it's own. But it also features a mini-jack input connection for our QL1 micro lav for even more invisible closemicing.

AL1

Incredibly compact, the AL1 is a two-stage lav system with incredible flexibility. The clip-on AL1 itself is a fully-functioning mic, with a unidirectional condenser mic built-in. It also has power, mute, level controls.

QL1

Or you can plug in a low profile Samson QL1 micro lapel mic for a other level of invisibility. Perfect for any presentation.



TECHNICAL SPECIFICATIONS

Receiver (CR77)

Type of Reception: Oscillation Type: Synthesized PLL Frequency Control 50 µsec D-emphasis: IF Frequency: 1/4 Wavelength Rod Antenna: In/Out: DC Inlet, Balanced Output, Unbalanced Output Display (LED): Level Controls: Operating Voltage: Current Consumption: Receiving Frequency Range: Sensitivity: Squelch Sensitivity: Selectivity: S/N Ratio (Overall): Residual Noise:

AF Frequency Response: Audio Output Level - Unbalanced: Audio Output Level - Balanced:

Band Mute:

Audio Output Impedance/Unbalanced:

Single Superheterodyne, True Diversity

10.7 MHz

Antenna A/B (Green), Power On (Red), Peak (Yellow), RF Level (5 pc) Volume, Squelch

12 Volts + 10 % 160 mA (at all LED lights) 801 – 805 MHz 18 dBμ @ THD 2% 0 – 40 dBμ (Adjustable) ± 150 kHz (AF Out Ratio -60 dB) 90 dB (w/ IHF-A filter) 90 dBv (w/ IHF-A filter)

 \pm 50 kHz / \pm 100 kHz (RF IN: 46 dBu EMF) $50~\mathrm{Hz} - 15~\mathrm{kHz}~(\pm~3~\mathrm{dB~overall})$ $0~\mathrm{dBv}$ -20 dBm (Line), -40 dBm (Mic) Switch

Selectable

Audio Output Impedance/Balanced: 600 Ohms

Dimensions:

8.5" (w) x 1.75" (h) x 4.6"(d) Receiver (CR77): 216 mm (w) x 44 mm (h) x 116 mm (d)

Weight:

Receiver (CR77):

Transmitters, Airline (AF1 / AG1 / AH1)

(5mW) -4dB Minimum, +3dB Maximum -40kHz Minimum, 40kHz Maximum RF Output Power: Frequency Stability: Spurious: 50 μsec +2 dBv Pre-emphasis Maximum Input Level: 2K ohms THD < 2% (1 kHz deviation 15kHz) Input Impedance: Audio Frequency Response: Operating Power Voltage: 50Hz - 15kHz (±3.5 dB) 1.5V Typical, 1.05V Minimum, 2V Maximum

60mA Typical 14 Hours (AAA size battery) Permanently attached 1/4 wave length wire Current Consumption: Battery Life: Antenna: Controls: Power Switch, 15 dB Pad Switch Indicators: Power On (LED Flash) Low Battery (LED On when battery less than 1.1V)

Transmitters, Airline (AX1, AL1)

Operating Power Voltage: 1.5V Typical, 1.05V Minimum, 2V Maximum Current Consumption: 60mA Typical Battery Life: 14 Hours (AAA size battery) RF Output Power (5mW): -4dB Minimum, +3dB Maximum -40kHz Minimum, 40kHz Maximum Frequency Stability: Spurious:

13kHz Minimum, 15kHz Typical, 17kHz Maximum, Input 1kHz-20dBv Modulation Factor Input Impedance (Mic): < 2% (1 kHz deviation 15kHz) 50Hz - 15kHz (±3.5 dB)

Power On (LED Flash), Low Battery (LED On)

Indicators: **Dimensions**

Audio Frequency Response:

Transmitter (Airline Series): (varies depending on element)

Weight:

.75 lb / 340 g

Transmitter (Airline Series): (varies depending on element)



