

AirLine 77



No Limits.

SAMSON[®]
W I R E L E S S

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.



▲ CR77 RECEIVER ▲

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GUITAR TRANSMITTERS

AG1 / AF1



AG1 & AF1 GUITAR TRANSMITTERS

Samson invented the wireless guitar plug-in transmitter. Widely imitated; but never duplicated. Airline 77 Guitar and Bass guitar systems feature either the AF1 transmitter, designed for Strat® style guitar jacks, or the AG1 right-angle version for straight guitar jacks.

Both operate with the new CR77 half-rack receiver, or the Airline AP-1 Pedal-Style receivers.



▲ CR77 RECEIVER ▲

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HANDHELD TRANSMITTER

AX1 / Q7



AX1 HANDHELD TRANSMITTER & Q7 MICROPHONE

Total vocal freedom, with no bulky belt packs.

The Airline 77 handheld comes with a Samson Q7 dynamic microphone. The finest Neodymium handheld dynamic microphone we make. Designed for professional-level music performance, there is no application it cannot handle.

The super-compact AX1 Handheld Transmitter plugs directly into the XLR jack of the Q7 (or any dynamic mic). So small and light weight, you'll hardly know it's there.



▲ CR77 RECEIVER ▲

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WIND INSTR. TRANSMITTERS

AH1 / HM40 / AMT ROOM 1



HM40



AMT Roaming 1



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.



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▲ CR77 RECEIVER ▲

AH1 / QE / QV HEADSET TRANSMITTERS



Qe Fitness



Qv Performance

AH1 HEADSET TRANSMITTERS QE & QV MIC ELEMENTS

For on stage performance, public speaking, DJs, health club applications. Samson makes a comfortable, lightweight headset mic with no belt pack.

Qe Fitness

Includes a custom designed condenser mic element that resists damage from the corrosion that comes in health club settings.

Qv Performance

The highest performance level attainable from an element of this size and type. Designed with music performance in mind.



▲ CR77 RECEIVER ▲

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PRESENTATION TRANSMITTERS

AL1 / QL1



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 close-micing.

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.



QL1 Lavalier

AirLine 77

TECHNICAL SPECIFICATIONS

Receiver (CR77)

Type of Reception: Single Superheterodyne, True Diversity
 Oscillation Type: Synthesized PLL Frequency Control
 D-emphasis: 50 µsec
 IF Frequency: 10.7 MHz
 Antenna: 1/4 Wavelength Rod
 In/Out: DC Inlet, Balanced Output, Unbalanced Output
 Display (LED): Antenna A/B (Green), Power On (Red), Peak (Yellow), RF Level (5 pc)
 Level Controls: Volume, Squelch
 Operating Voltage: 12 Volts + 10 %
 Current Consumption: 160 mA (at all LED lights)
 Receiving Frequency Range: 801 – 805 MHz
 Sensitivity: 18 dBµ @ THD 2%
 Squelch Sensitivity: 0 – 40 dBµ (Adjustable)
 Selectivity: ± 150 kHz (AF Out Ratio -60 dB)
 S/N Ratio (Overall): 90 dB (w/ IHF-A filter)
 Residual Noise: 90 dBv (w/ IHF-A filter)
 Band Mute: ± 50 kHz / ± 100 kHz (RF IN: 46 dBu EMF)
 AF Frequency Response: 50 Hz – 15 kHz (± 3 dB overall)
 Audio Output Level - Unbalanced: 0 dBv
 Audio Output Level - Balanced: -20 dBm (Line), -40 dBm (Mic) Switch
 Selectable
 5 k Ohms
 Audio Output Impedance/Unbalanced:

Audio Output Impedance/Balanced: 600 Ohms

Dimensions:

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

Weight:

Receiver (CR77): .75 lb / 340 g

Transmitters, Airline (AF1 / AG1 / AH1)

RF Output Power: (5mW) -4dB Minimum, +3dB Maximum
 Frequency Stability: -40kHz Minimum, 40kHz Maximum
 Spurious: 1µW
 Pre-emphasis: 50 µsec
 Maximum Input Level: +2 dBv
 Input Impedance: 2K ohms THD < 2% (1 kHz deviation 15kHz)
 Audio Frequency Response: 50Hz - 15kHz (±3.5 dB)
 Operating Power Voltage: 1.5V Typical, 1.05V Minimum, 2V Maximum
 Current Consumption: 60mA Typical
 Battery Life: 14 Hours (AAA size battery)
 Antenna: Permanently attached 1/4 wave length wire
 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
 Frequency Stability: -40kHz Minimum, 40kHz Maximum
 Spurious: 1µW
 Modulation Factor: 13kHz Minimum, 15kHz Typical, 17kHz Maximum, Input 1kHz-20dBv
 Input Impedance (Mic): 2K ohms
 THD: < 2% (1 kHz deviation 15kHz)
 Audio Frequency Response: 50Hz - 15kHz (±3.5 dB)
 Indicators: Power On (LED Flash), Low Battery (LED On)

Dimensions

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

Weight:

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



Wind Instrument
 AH1 Transmitter & HM40/AMT Roam1 Mics

Handheld
 AX1 Transmitter & Q7 Mic

CR77 UHF Receiver

Presentation
 AL1 Transmitter & QL1 Lavalier

Guitar
 AF1/AG1 Transmitters

Headset
 AH1 Transmitter & Qe/Qv Mics