



PRODUCT

**HANDHELD MICROPHONE SYSTEM**

DESCRIPTION

**CR77 WITH AX1**

SERIES

**AIRLINE 77**

CATEGORY

**WIRELESS**



**CR77 GENERAL DESCRIPTION**

The CR77 is a true diversity UHF receiver that can be used freestanding or mounted in any standard 19-inch rack, making it easy to integrate into any traveling or fixed installation audio system. It includes a pair of tuned antennas and the synthesized PLL frequency control circuitry keeps the signal locked and true while LEDs monitor the true diversity operation.

The CR77 features a front panel display with large six-segment audio level and RF level LED meters along with a large rotary volume knob that allows easy adjustment of audio output. The unit also houses a line/mic output level switch and squelch controls. The rear panel features balanced XLR and unbalanced 1/4-inch outputs allowing flexible connection options. Two CR77 receivers can even be rackmounted together in a single-space rack adapter (RK55) available as an added accessory.

**AX1 GENERAL DESCRIPTION**

The compact AX1 Handheld UHF Transmitter allows a user to convert any dynamic microphone into a wireless mic. It's as simple as plugging the standard female XLR connector of the AX1 into any standard wired dynamic microphone, making it easier than ever to go wireless. And because it's so small and lightweight, the AX1 feels like a natural part of the microphone.

Despite it's small size, the AX1 features a power switch, microphone input level control and a power/battery LED that conveniently indicates when there is less than two hours of battery life remaining. The AX1 also operates for up to 14 hours on a single AAA battery. Plus, as a UHF transmitter, it operates on clearer frequencies with less interference.



**PRODUCT SPECIFICATION SHEET**

SERIES  
**AIRLINE 77**

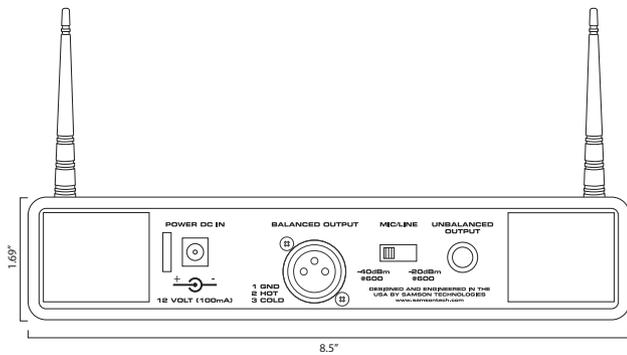
DESCRIPTION  
**CR77 WITH AX1**

CATEGORY  
**WIRELESS**

**HANDHELD MICROPHONE SYSTEM**

**ARCHITECT'S & ENGINEER'S SPECIFICATIONS**

The CR77 from Samson shall be a UHF true diversity wireless audio receiver to be used with any of our Airline wireless transmitters. The CR77 shall be a 1/2 rackspace receiver that can also be used as a stand-alone receiver. The CR77 is supplied with a 12 volt DC power supply. The CR77 shall have a front panel level control, squelch control, power switch, antenna A and B, and 6 segment audio and RF metering. The rear panel of the CR77 shall have balanced XLR and 1/4 inch unbalanced outputs with mic/line level switching. The CR77 shall operate in the 801-805MHz.

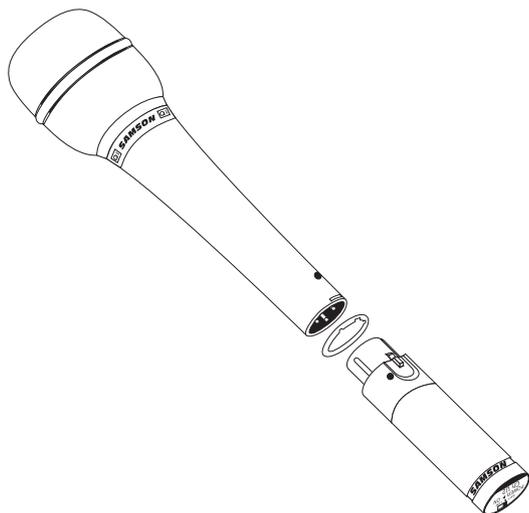


**CR77 SPECIFICATIONS**

<b>Frequency Response</b> .....	50 Hz - 15 kHz (±3 dB overall)
<b>Receiving Frequency Range</b> .....	801 – 805 MHz or 863 – 865 MHz
<b>Sensitivity</b> .....	18 dBm (@ THD 2%)
<b>T.H.D. (Overall)</b> .....	1% Max (@AF 1 kHz, RF 46 dBu)
<b>S/N Ratio (Overall)</b> .....	90 dB (with IHF-A Filter)
<b>Dimensions (W x D x H)</b> .....	8.5" x 4.55" x 1.69" 216mm x 115.75mm x 43mm

**ARCHITECT'S & ENGINEER'S SPECIFICATIONS**

The AX1 transmitter from Samson shall be a UHF wireless transmitter for use with any standard dynamic microphone. The AX1 shall operate on a single AAA battery and get approximately 14 hours battery life. The AX1 shall have XLR female connector to plug into a dynamic mic allowing use of the dynamic mic as a wireless mic. The AX1 shall have a power switch with LED indicator that flashes on to show power up and then goes out to extend battery life. The AX1 shall have a mic gain control inside, accessible by removing the battery cover. The AX1 shall work in the 800MHz range.



**AX1 SPECIFICATIONS**

<b>Operating Power Voltage</b> .....	1.5V Typical, 1.05V Minimum, 2V Maximum
<b>Current Consumption</b> .....	60mA Typical
<b>Battery Life</b> .....	14 Hours (AAA Battery)
<b>RF Output Power (5mW)</b> .....	-4 dB Minimum, +3 dB Maximum
<b>Frequency Stability</b> .....	-40 kHz Minimum, 40 kHz Maximum
<b>Spurious</b> .....	1µW
<b>Modulation Factor</b> .....	13 kHz Minimum, 15 kHz Typical, 17 kHz Maximum, Input 1 kHz @ -20 dBv
<b>Input Impedance (Mic)</b> .....	2kΩ
<b>THD</b> .....	< 2% (1 kHz deviation 15 kHz)
<b>Audio Frequency Response</b> .....	50 Hz – 15 kHz (±3.5 dB)
<b>Controls</b> .....	Power Switch, Volume
<b>Input</b> .....	XLR (Female)
<b>Indicators</b> .....	Power On (LED Flash), Low Battery (LED On)