

## PRODUCT

# WIRELESS FITNESS SYSTEM

## DESCRIPTION

## CR77 WITH AH1 QV10e

## SERIES

### AIRLINE

## 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 continuously adjustable volume 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 available as an added accessory.

### AH1 QV10e GENERAL DESCRIPTION

The AH1 Headset Transmitter mounts conveniently on to Samson's comfortable and lightweight headset, providing total freedom of mobility with no beltpack

necessary. The AH1 is paired with the QV10e headset condenser mic, an excellent vocal microphone that produces full-range sound with enough definition to ensure that every word is heard clearly, even at higher volume levels.

Incredibly small, the AH1 features a power on/off switch, mute switch, input sensitivity control to adjust the mic level and a multi-function LED that indicates power and low battery. The breakthrough micro circuitry allows the AH1 to operate on one AAA battery with 14 hours of life. This exceptional transmitter gives you great sound and reliable wireless reception over long ranges wherever you use it. And since it's a UHF transmitter, that means the wireless system is operating on a much clearer frequency band with less interference.

Additionally, the elegant, lightweight low profile design of the QV10e produces a wide 60 Hz to 18 kHz frequency response for accurate vocal reproduction, and its unidirectional cardioid pickup pattern provides maximum gain before feedback. The Qv10E also has a water resistant design that's perfect for high humidity environments, so it's ideal for fitness instructors and other high-energy live vocal applications.



**PRODUCT SPECIFICATION SHEET**

**WIRELESS FITNESS SYSTEM**

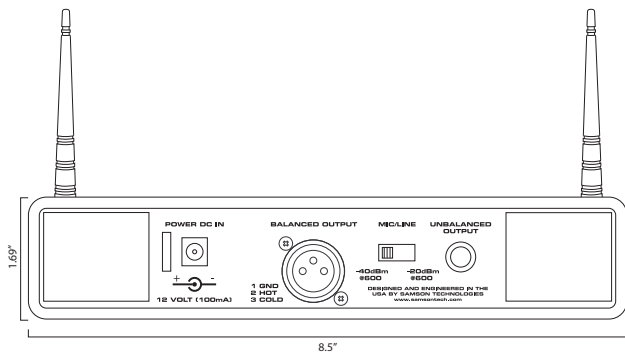
SERIES  
**AIRLINE**

DESCRIPTION  
**CR77 WITH AH1 QV10e**

CATEGORY  
**WIRELESS**

**CR77 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 ½ rackspace receiver that can also be used as a stand-alone receiver. The CR77 is supplied with a 12Volt 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 ¼ inch unbalanced outputs with mic/line level switching. The CR77 shall operate in the 801-805MHz.

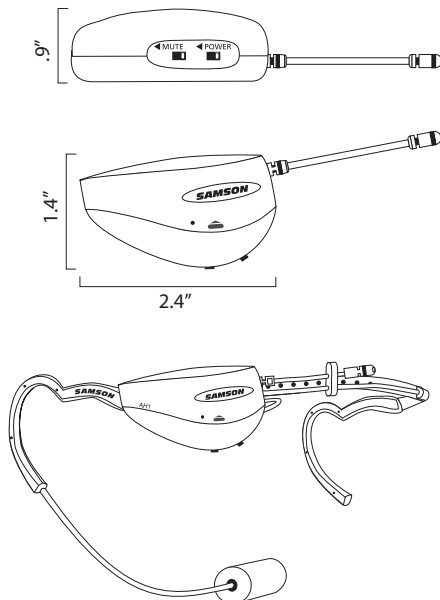


**CR77 SPECIFICATIONS**

<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 AH1 with QV10e is a UHF wireless headset specifically designed for the fitness industry. The AH1 shall be a UHF wireless transmitter that fits on to the QV10e headset for a no beltpack design. The AH1 has a power on/off switch and mute switch. The AH1 has a mic gain control inside the battery door. It operates on a single AAA battery and gets about 14 hours battery life. The AH1 operates in the 800MHz range. The QV10e headset uses our cardioid QV mic element. The element and headset are water resistant making it an ideal choice for the fitness industry.



**AH1 QV10e SPECIFICATIONS**

<b>Generating Element</b> .....	Back Electret condenser
<b>Polar Pattern</b> .....	Bidirectional noise cancelling
<b>Mounting system</b> .....	Adjustable headband and gooseneck
<b>Sensitivity</b> .....	80 mV@114 dB SPL
<b>Max.SPL</b> .....	145 dB
<b>Weight</b> .....	1.92 oz • 54.4 g

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