

Product Guide**C 8890D** 700 Channel True Diversity UHF Wireless Microphone Receiver

700 Channel True Diversity Wireless Microphone System



C 8893D

C 8892D

Overview

Top of the line 700 channel system for professional live sound without the constraints of cable. Simple 3 button operation for free channel selection and synchronising with transmitters. This makes it ideal for applications using multiple wireless microphone systems.

True diversity design means interference free reception in high radio frequency environments and a built in noise reduction system compensates for high levels of background noise.

It is able to operate at a range of up to and exceeding 100m in optimum conditions.

The C 8892C handheld transmitter features a textured casing specifically designed to reduce handling noise and a straight sided ring to prevent rolling when placed on a flat surface.

The electret condenser unit captures vocal performances with sparkling clarity and dynamics making it an excellent choice for both vocalists and public speakers alike.

The C 8893C beltpack has the added benefit of allowing you to use the microphone of your choice but also has the ability to be used with instrument pickups to give a guitarist the added freedom on stage without having to worry about tripping over cables.

Key Features

- ✓ 700 channels in the 520-550MHz UHF band
- ✓ Backlit LCD screen for vital RF, AF and channel information
- ✓ Tone squelch control circuit for noise reduction
- ✓ Range of over 100m in ideal conditions
- ✓ 6.35mm unbalanced line/mic output
- ✓ 3 pin balanced XLR mic output
- ✓ Guitar pickup compatible beltpack
- ✓ Half width 19" rackmount compatible

Beltpack Accessories

- C 8909** Guitar/instrument lead
- C 8913A** Headband lecture mic - black
- C 8912** Headband lecture mic - skintone
- C 8914** Over-ear lecture mic - skintone
- C 8911** Headband aerobics mic - black
- C 8915** Neoprene beltpack pouch
- C 8889** 19" Rackmount bracket

Product Guide

C 8890D 700 Channel True Diversity UHF Wireless Microphone Receiver



Rear Panel



1 Antenna connection BNC

2 XLR 3-pin balanced output

3 6.35mm unbalanced output

4 Mic / Line level selector switch

5 Squelch control

6 12V dc input

Specifications

Receiver

Carrier frequency range:	520 - 550MHz UHF band
Frequency stability:	±0.005%
Oscillator:	PLL Synthesised
Receiving sensitivity:	10µV over 80dB/µV antenna input
Image and spurious rejection:	80dB minimum
Selectivity:	>50dB
Modulation mode:	FM
IF Frequency:	1st: 243.95MHz, 2nd: 10.7MHz
Tone signal:	32.768kHz
Signal to noise ratio:	>94dB at 60dBµV
Audio frequency response:	80Hz to 16kHz
Total harmonic distortion:	less than 1.0% (at 1kHz)
Audio output:	Unbalanced max 775mV (0dB=0.775V) at 5kΩ load Balanced max 1V (0dB=1V) at 5kΩ load
Power supply:	12V dc
Current consumption:	200mA (max)
Dimensions:	198W x 183D x 41H mm

Transmitter

Carrier frequency range:	520 - 550MHz UHF band
RF Power output:	10mW (max)
Oscillation mode:	PLL Synthesised, 16 Channel selectable
Frequency stability:	±0.005%
Maximum deviation:	48kHz with limiting compressor
Spurious emission:	>60dB below carrier frequency
Microphone capsule	
Handheld:	Uni-directional condenser unit
Beltpack:	Sold separately
Battery:	3V dc (2 x 1.5V AA batteries) or 2.4V dc (2 x 1.2V AA rechargeable)
Current consumption:	120mA ±10mA