

**WRR-855S/62**

UHF synthesised, slot-in, diversity wireless microphone receiver for cameramen

**Let the cameraman move without strings attached**

Cameramen invariably want to focus their attention to the picture. Since the sound in many a producers view is equally important, Sony has pioneered video cameras with provision for slot-in diversity receivers.

Employing the same advanced receiver module as the acclaimed WRR-850A, the user interface is still explicitly simple. A unique feature makes it virtually impossible to send a tape off with no audio or unusable audio levels on it.

With its latest implementation of the standard Sony technological advanced features and its ability to operate on a 24Mhz bandwidth covering TV bands 62 to 64 it is the perfect slot in camera receiver for any application where ease of use is as important as reliability, quality and safety.

This product comes with PrimeSupport – fast, hassle-free repairs and a helpline offering expert technical advice. Which gives you the peace of mind that Sony is looking after your equipment, and your business.

## Features

**Designed for insertion into SX camcorders**

**Pilot Tone for seamless reception**

**Frequency scan of total switching bandwidth**

RF spectrum scan for checking of RF disturbance at location.

**Water resistant design**

**LED indications of received RF signal level and audio output**

**LED showing selected channel**

**Powered from camcorder**

No battery operation option available.

**Optional mounting adapter for use with other camcorders**

Can be mounted on any other camcorder via optional mounting adapter (BTA-801 or BTA-802).

**Large number of pre-programmed spot frequencies**

Up to 64 spot frequencies available in one TV channel, with a maximum of 112 spot frequencies available depending on version.

**Safe and reliable audio recording**

The audio is recorder to any or both of track one and two on the SX camcorder, either with manual level control or AGC. In addition, the audio is recorded onto track three with AGC level control regardless of any other setting on the camera.

## Benefits

**Unobtrusive and ease of use**

Inserts into, and with audio control from, SX and some DVCAM camcorders.

**No external RF noise surprises using the scan feature**

For added safety on location the WRR-855B also includes an RF scan function, allowing you to identify if any RF noise is present possibly disturbing your performance.

**Interference Free Reception with the Pilot Tone Squelch.**

A Pilot Tone muting squelch operation minimises the risk and equally important - effects - of a drop out. Creating a seamless transition free from bursts of noise sometimes found in systems not incorporating the Pilot Tone.

**Intermodulation free operation of multi-channel systems**

Combinations of specially calculated and practically tested intermodulation-free frequencies are stored in the CPU making it easy to choose the correct frequencies for simultaneous multi-channel operation.

Up to 10 intermodulation-free channels can be used simultaneously within an 8MHz European TV channel, free from internal interference. Particularly useful

when on location with crews from other BC stations - it is easy to find alternative frequencies if interference becomes a problem.

### Informative LCD display and LED's

The informative display gives the operator a comprehensive status of vital information such as selected channel, AF level, received RF level.

### Eliminating drop-outs and improving practical noise floor through Space Diversity

Using the two antennae, positioned so that they "see" the same environment, it is statistically unlikely that the Field Strength will drop under a critical level at the same time at both antennae.

Receiving both signals and selecting the best of them

will not only reduce the likelihood of a total drop out, but also improve the practical audio noise floor.

### Comprehensive Squelch functions for RF noise free operation

The Pilot Tone Squelch, Low RF Muting and Excessive White Noise Muting functions work together to ensure optimum noise free and seamless performance.

### Exceptional rejection of unwanted signals

While maintaining optimum integrity of the desired signal, exceptional rejection and seamless muting is achieved through the use of advanced filtering techniques and the Pilot Tone

### Safe in most kinds of climates

The water-resistant design of the WRR-855B makes it safe to use in extreme conditions.

## Technical Specifications

Generic Specifications	
Receiving channel number:	1 channel
Receiving frequency:	WRR-855S/62 798 MHz to 822 MHz (covering TV Channels 62-64) WRR-855S/K38 606 MHz to 630 MHz (covering TV Channels 38-40)
Oscillator:	1st: PLL synthesizer, 2nd: PLL synthesizer
De-emphasis:	50 $\mu$ s
Reference deviation:	$\pm$ 5 kHz deviation at 1 kHz modulation (Max. deviation: $\pm$ 40 kHz modulation)
Selectivity:	60 dB or more at $\pm$ 250 kHz
Spurious rejection:	80 dB or more
Frequency range:	40 to 18 kHz (typical)

Signal-to-noise ratio:	60 dB or more at 60 dB $\mu$ RF input at reference deviation, A-weighted
RF muting level:	10 dB $\mu$ or OFF selectable
Audio output level:	-40 dBm at reference deviation
Audio output connector:	D-sub 15-pin (1), balanced
Antenna connector:	BNC-R type (2), 50 $\Omega$ (nominal) impedance
Operating voltage:	DC 7 V
Current consumption:	200 mA or less at external DC 7 V
Dimensions (W x H x D):	88.0 x 119.0 x 31.3 mm (3 1/2 x 4 3/4 x 1 1/4 inches)
Mass:	280 g (9.9 oz)

### Supplied Accessories

	Antenna2
	Operation manual

## Accessories

Accessories
<p><b>BTA-801</b></p> <p>Portable Tuner Mount Adaptor</p>

**Camera Adaptors****CA-WR855**

Camera Adaptor For DSR-300

**Compatible Products****XDCAM Camcorders****PDW-680**

Three 2/3-inch type Exmor CMOS sensors  
XDCAM HD shoulder camcorder recording full  
HD / SD