

2.975(a)-(2) Technical information: (1/2)

Specifications and Channel Frequency Allocation List

Reception system	Dual-conversion super heterodyne
Type of reception	110KF3E
Receiving frequency	782.125 – 793.875 MHz in 125kHz steps
Receiving channel	One channel out of 94
Local oscillation	1'st local osc: crystal controlled PLL synthesizer 2'nd local osc: crystal oscillator
Signal-to-Noise Ratio	(± 5.0kHz deviation at a modulation of 1kHz) 30dB or more at an A-weighted RF input level of 10dB μ V 60dB or more at an A-weighted RF input level of 60dB μ V
Dynamic range	96dB or more (60dB μ V input, at an A-weighted modulation frequency 1kHz, when frequency deviation is ± 5.0kHz.)
Output level	-40dB μ (0dB μ :0.775Vrms, ± 5.0kHz deviation at a modulation of 1kHz)
Frequency response	50 – 15,000Hz ± 3dB
Muting level	10dB μ V or OFF
De-emphasis	50 μ sec
Spurious rejection ratio	More than 80dB
Selectivity	60dB or more (at ± 250kHz when detuned)
Antenna connectors	BNC-R type, 50 Ω
Output connector	15pin D-sub connector(1)
Power requirements	7 V DC
Power consumption	200mA
Operating temperature	0°C to 50°C
Storage temperature	-20°C to +60°C
Dimensions	88x118.8x31.3 mm (W/H/D)
Weight	280g (with the supplied antennas attached)
Supplied accessories	Antennas (2) Operating instructions (1) Warranty Card (1)

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CHANNEL FREQUENCY LIST

CH No.	FREQUENCY (MHz)	CH No.	FREQUENCY (MHz)
66-01	782.125	67-01	788.125
66-02	782.250	67-02	788.250
66-03	782.375	67-03	788.375
66-04	782.500	67-04	788.500
66-05	782.625	67-05	788.625
66-06	782.750	67-06	788.750
66-07	782.875	67-07	788.875
66-08	783.000	67-08	789.000
66-09	783.125	67-09	789.125
66-10	783.250	67-10	789.250
66-11	783.375	67-11	789.375
66-12	783.500	67-12	789.500
66-13	783.625	67-13	789.625
66-14	783.750	67-14	789.750
66-15	783.875	67-15	789.875
66-16	784.000	67-16	790.000
66-17	784.125	67-17	790.125
66-18	784.250	67-18	790.250
66-19	784.375	67-19	790.375
66-20	784.500	67-20	790.500
66-21	784.625	67-21	790.625
66-22	784.750	67-22	790.750
66-23	784.875	67-23	790.875
66-24	785.000	67-24	791.000
66-25	785.125	67-25	791.125
66-26	785.250	67-26	791.250
66-27	785.375	67-27	791.375
66-28	785.500	67-28	791.500
66-29	785.625	67-29	791.625
66-30	785.750	67-30	791.750
66-31	785.875	67-31	791.875
66-32	786.000	67-32	792.000
66-33	786.125	67-33	792.125
66-34	786.250	67-34	792.250
66-35	786.375	67-35	792.375
66-36	786.500	67-36	792.500
66-37	786.625	67-37	792.625
66-38	786.750	67-38	792.750
66-39	786.875	67-39	792.875
66-40	787.000	67-40	793.000
66-41	787.125	67-41	793.125
66-42	787.250	67-42	793.250
66-43	787.375	67-43	793.375
66-44	787.500	67-44	793.500
66-45	787.625	67-45	793.625
66-46	787.750	67-46	793.750
66-47	787.875	67-47	793.875

2.975(a)-(3) A statement concerning the intended use of the equipment

Overview

The WRR-855A UHF Synthesized Tuner Unit in use with an optional Portable Tuner Mount Adapter, such as the BTA-801, provides a highly reliable portable diversity tuner for the 800 MHz band Sony UHF wireless microphone system, which uses the frequency bands allocated for UHF TV broadcasting.

This tuner enables the application of multiple channels over unused television channels through the use of the built-in Sony original channel plan.

Features

Phase Locked Loop (PLL) Synthesized System

The WRR-855A with its refined PLL synthesized circuit can operate on 94 wireless channels.

Preset wireless channel groups for easy multichannel operation

In addition to a group allowing all 94 wireless channels to be selected, the WRR-855A has six preprogrammed groups, that is, a combination of wireless channels which permits simultaneous operation of multiple channels without intermodulation.

Space diversity reception system

The WRR-855A provides stable signal reception with only a minute amount of dropout.

Versatile display

A variety of information is obtained at a glance on the upper panel, such as the reception channel with the liquid-crystal display, and RF input level and audio level with the respective LEDs.

Compact and lightweight

Innovative, high-density mounting technology has enabled the creation of this compact, lightweight tuner. Using the optional BTA-801 Portable Tuner Mount Adapter in combination, the WRR-855A can be easily attached to a Betacam-series Camcorder.

Weatherproof structure

By properly mounting the WRR-855A to the optional BTA-801 Portable Tuner Mount Adapter and attaching the two supplied antennas, a weatherproof structure is obtained.

Muting ON/OFF function

You can activate or deactivate the muting function to suit your needs.

Tone-squelch circuit for noise elimination

The unit uses a built-in squelch circuit to selectively receive the desired RF carrier accompanied by the tone signal from the transmitter.

Compander system

A compander (compressor/expander) system enables stabilized wireless transmission over a wide dynamic range.