

UHF Synthesized Wireless Microphone System



Superb Performance and Reliability in an Affordable Package



Since its introduction, the unique qualities of the Sony UHF synthesized wireless microphone system have been proven in many different applications. It has been particularly successful in critical applications such as broadcasting and production, where its low noise, wide audio dynamic range, stable RF transmission and reception, and high reliability have been vital factors.

In recent years, Sony has enhanced its wireless microphone line-up to fulfill the ever-increasing needs for wireless operations. Offering a broad range of choices, this family presents a solution to virtually any wireless microphone application from the very simple to the most sophisticated. Such applications include ENG and EFP location, conference and entertainment, TV studio production, theater, and live performance to name just a few. A variety of options are also made available so that systems are established to suit different operational needs.

The Sony UHF synthesized wireless microphone system offers a perfect choice for all levels of operational and budgetary needs.

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PLL Synthesized System

Phase Locked Loop (PLL) frequency synthesized systems are employed both in transmitters and receivers, assuring carrier stability and providing easy access to multiple frequencies. These PLL controlled systems provide highly stable, selectable frequencies to be generated in increments of 125 kHz. Users may choose from 94* frequencies on all A-series (USA type) models and from 188 frequencies on B-series (USA type) models.

*In the case of AU models with the exception of WRT-808A, users may choose from 102 frequencies. When using WRT-808A (AU Type), 98 frequencies are selectable.

Space Diversity Reception System

A space diversity reception system is used to eliminate signal dropout. Dual antenna inputs and reception circuits incorporated in the diversity system receive signals over two different paths and select the stronger signal as the output. This switching operation is undetectable on the audio output of the receivers.

Pre-programmed Frequency Groups

Optimum combinations of calculated and practically tested intermodulation-free frequencies are stored in each receiver to make it easy to choose the correct frequencies for simultaneous multi-channel operation. These frequencies are arranged in groups, with each group pre-programmed to allow interference free operation.

Advanced Filtering

The Sony wireless units all employ Helical, Ceramic and/or SAW (Surface Acoustic Wave) filters as appropriate. This offers stable reception and superb audio quality, and also enables the unique miniaturization seen in most of the Sony products.

Tone Squelch Circuitry

The wireless microphone transmitters also transmit a 32.768 kHz pilot-tone signal along with the audio signal. In the receivers, a squelch circuit is present, and the audio signal is only output when the tone signal has been correctly received.

This squelch function is designed to virtually prevent the output of unwanted signals or noise from other signal transmissions in the air, as well as the RF noise and popping noise that occur when the transmitter is power on or off.

Compander System for Wide Dynamic Range and Low Noise

A compander (compressor/expander) system is included for improved audio dynamic range and low noise and interference. The time constants for attack and release times are carefully chosen in the various transmitters to match the application, ensuring minimized noise level while providing smooth and superior audio quality.

Multiple Information on Easy-to-read LCD and LED

Most receivers and transmitters feature easy-to-read LCD panel and LED indicators, which provide extensive information on the operating conditions.

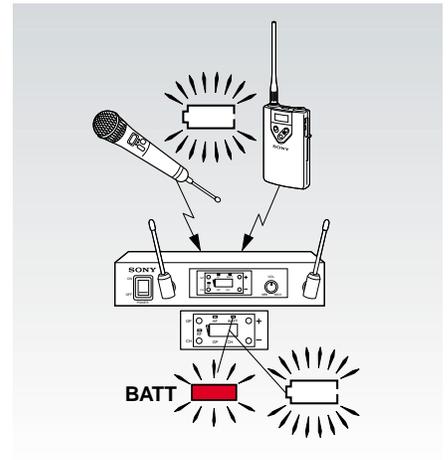
Most receivers will display the RF-input level, audio-output status, current channel number and frequency, and battery status of the transmitter.

Most transmitters do in essence have the same information available in the receivers such as audio-input and RF-output status, current channel number and frequency, input attenuation setting, and accumulated battery operating time.

Remote Battery Alarm on Receiver

For added assurance of continued operation, you can monitor the battery reserves of handheld, body pack and plug-on transmitters. Remaining battery life is indicated on both the transmitter and receiver, with additional indication approximate one hour* before the battery goes dead. On the receiver, the battery indicator on the LCD and LED displays also flash, helping to avoid the chance of battery failure at a critical moment.

*This may vary depending on the operational environment.



Consistent RF Power Output

A DC-DC convert circuit built into the power supply section of microphones/transmitters assures consistent output power over the life of the batteries.

Channel Setting Back Up

Each unit has a convenient memory back up for storing operating frequencies. When the power switch is turned on, the previous channel setting is automatically recalled and displayed.

Live Music/Theater Productions

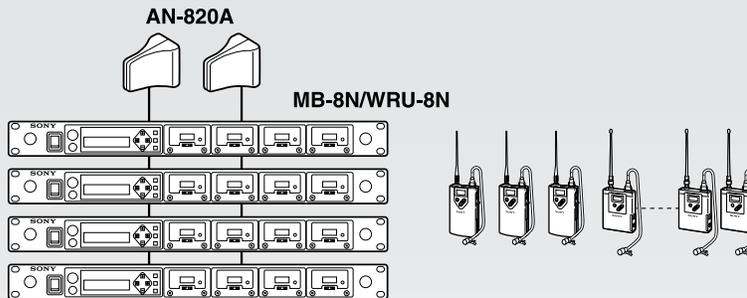
◆ 6-channel Simultaneous Operation



Required components

- MB-806A Tuner base unit x 1
- WRU-806 Tuner unit x 6
- AN-820A Antenna x 2
- Transmitter x 6

◆ 16-channel Simultaneous Operation

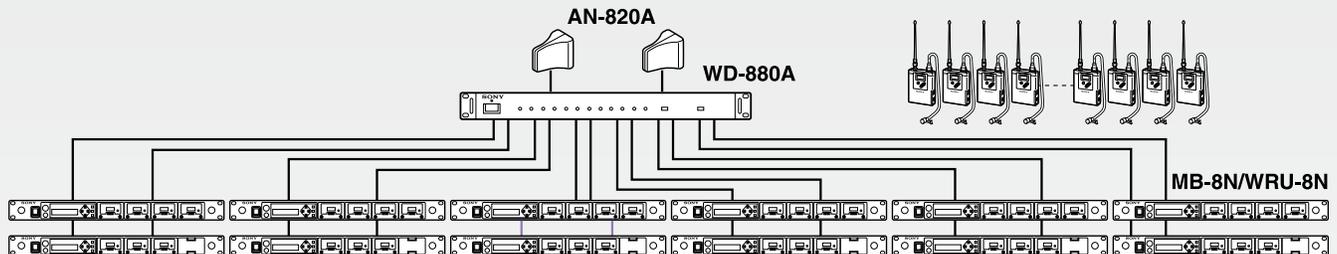


Required components

- MB-8N Tuner base unit x 4
- WRU-8N Tuner unit x 16
- AN-820A Antenna x 2
- Transmitter* x 16

* Lavalier microphones are not supplied with transmitters.

◆ 42-channel Simultaneous Operation

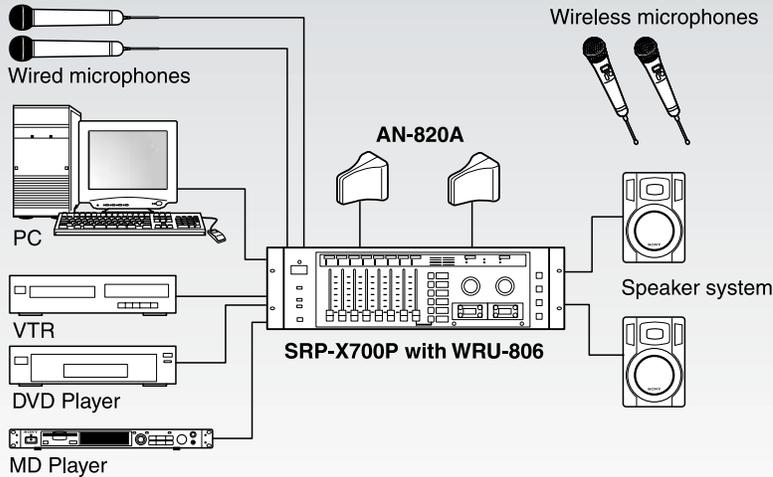


Required components

- MB-8N Tuner base unit x 12
- WRU-8N Tuner unit x 42
- AN-820A Antenna x 2
- WD-880A Antenna divider x 1
- Transmitter x 42

Note: The above system can be configured when using USA-type models.
When using AU-type models, max. 20-channel simultaneous operation is possible.

Conference/Educational Applications

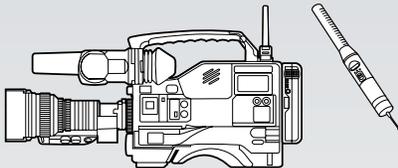


- Required components**
- WRU-806 Tuner unit x 2
 - Wireless Microphone x 2
 - Wired Microphone x 2
 - AN-820A Antenna x 2
 - SRP-X700P Audio Mixer x 1

ENG/EPG/Digital Cinema Applications

◆ HDCAM®/MPEG IMX™/Betacam SX® camcorder with WRR-855B

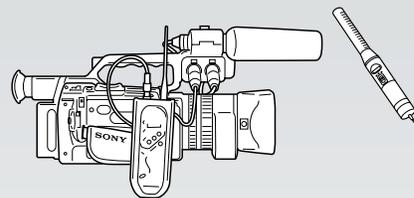
* Except for HDW-F900



Required components

- WRR-855 Portable tuner x 1 (slot-in configuration)
- Transmitter x 1

◆ DVCAM® small camcorder with WRR-805A

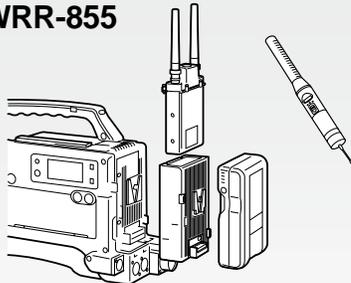


Required components

- WRR-805 Portable tuner x 1
- Transmitter x 1

Attachment case for WRR-805 is supplied with the tuner.
K-1334 output cable may be required.

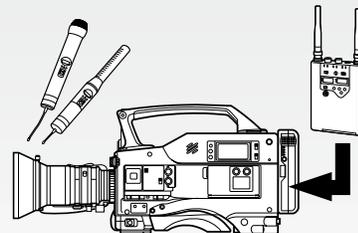
◆ DVCAM camcorder with WRR-855



Required components

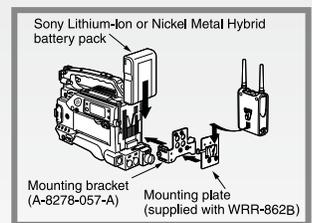
- WRR-855B Portable tuner x 1
- CA-WR855 Camera adaptor x 1
- Transmitter x 1

◆ HDCAM (HDW-F900)/Digital Betacam camcorder with WRR-862B



Required components

- WRR-862B Portable tuner x 1
- A-8278-057-A Mounting bracket x 1
- Transmitter x 2



WRT-847B UHF Synthesized Transmitter Unit U62/64 U66/68



WRT-847B



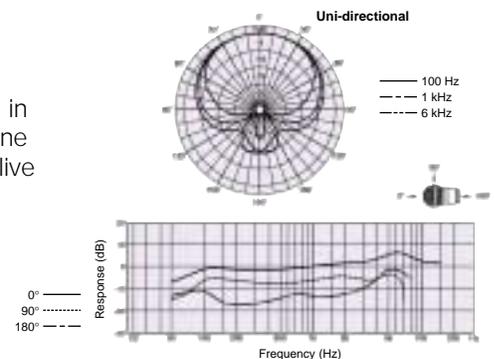
Photo shows WRT-847B with optional microphone capsules attached.

- Five optional microphone capsules are available, providing a choice of characteristics that suit a range of different applications. Microphone capsules are available individually. (One head is required for the WRT-847B to function.)
- Audio compander time constant is switchable to suit different capsules
- Selectable RF output level: 10 mW for simultaneous multi-channel operation and 50 mW for long distance operation
- Audio gain and attenuation setting from +9 dB to -12 dB in 3 dB steps
- Lockable external power switch (ON/OFF)
- Two AA-size (LR6) alkaline batteries provide approximately eight hours of continuous operation

CU-F780 Capsule Unit



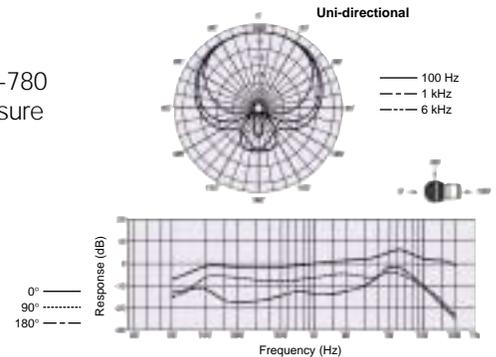
- Dynamic microphone capsule with super cardioid polar pattern
- Uses the same high quality edgewise winding CCAW voice coil that is employed in the acclaimed Sony F-780 wired microphone
- Designed for vocal applications including live music performance
- Frequency response: 50 Hz to 18 kHz
- Dimensions: \varnothing 51 x 90 mm
(\varnothing 2 1/8 x 3 5/8 inches)
- Mass: 180 g (6.3 oz)



CU-G780 Capsule Unit



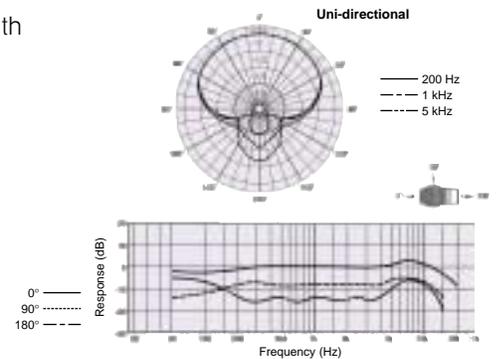
- Dynamic microphone capsule with super cardioid polar pattern
- Special design, based on the capsule of F-780 microphone, to cope with high sound pressure level vocals and incorporating outstanding feedback rejection
- Designed for vocal use
- Frequency response: 50 Hz to 20 kHz
- Dimensions: \varnothing 51 x 90 mm
(\varnothing 2 1/8 x 3 5/8 inches)
- Mass: 180 g (6.3 oz)



CU-E700 Capsule Unit



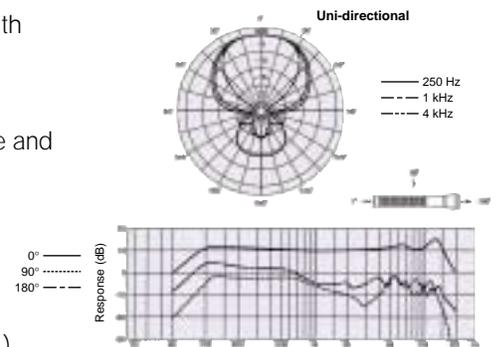
- Electret condenser microphone capsule with super cardioid polar pattern
- Smooth frequency response for natural sound reproduction
- Suitable for critical vocal and speech applications
- Frequency response: 50 Hz to 18 kHz
- Max. SPL: 150 dB
- Dimensions: \varnothing 51 x 98 mm
(\varnothing 2 1/8 x 3 7/8 inches)
- Mass: 170 g (6.0 oz)



CU-E672 Capsule Unit



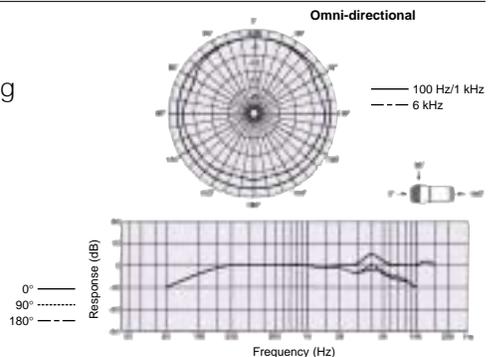
- Electret condenser microphone capsule with hyper cardioid polar pattern
- A wide variety of applications in news-gathering, sports events and interviews
- The supplied windscreen reduces wind noise and popping
- Frequency response: 50 Hz to 16 kHz
- Max. SPL: 120 dB
- Dimensions: \varnothing 37 x 172 mm
(\varnothing 1 1/2 x 6 7/8 inches)
- Mass: 150 g (5.3 oz)
- Supplied accessory: Urethane windscreen (1)



CU-F117 Capsule Unit



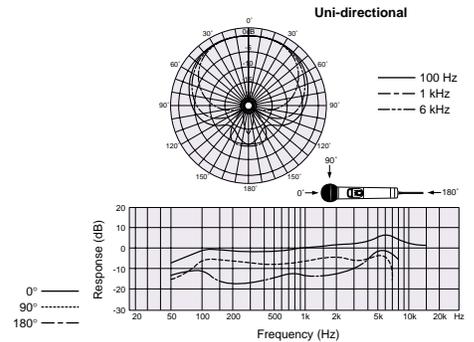
- Dynamic microphone capsule with omni-directional polar pattern
- Superb rejection of wind noise and popping
- Designed for interview applications
- Frequency response: 50 Hz to 15 kHz
- Dimensions: \varnothing 44 x 105 mm
(\varnothing 1 3/4 x 4 1/4 inches)
- Mass: 170 g (6.0 oz)
- Supplied accessory: Urethane windscreen (1)



WRT-867A UHF Synthesized Wireless Microphone U68



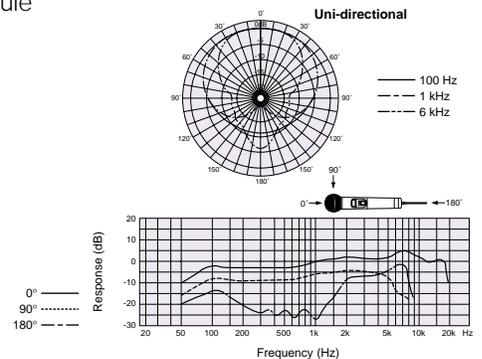
- Dynamic microphone capsule with super-cardioid polar pattern
- Resilient body structure for extremely high quality sound
- Incorporates a high quality, edgewise-winding voice coil with lightweight CCAW (Copper Clad Aluminum Wire) and AlNiCo magnet, which provides powerful, crisp and clear sound as well as presence in the middle and high frequency range
- Ideal for critical vocal applications for broadcast program and film production
- Channel select switches, audio attenuator switch and an LCD indicator inside the body to help prevent accidental operation



WRT-807B UHF Synthesized Wireless Microphone U62/64 U66/68



- Uses the same dynamic microphone capsule that is employed in the F-780 professional wired microphone
- High quality sound for vocals – powerful, crisp and clear
- Single AA-size (LR6) alkaline battery provides continuous operation for approximately five hours
- Lockable external power switch (ON/OFF)



WRT-808A UHF Synthesized Transmitter U64 U66 U68



- Plug-on transmitter — converts a wired microphone to a wireless microphone
- Fitted with an XLR connector
- Compact and lightweight body, providing balanced handling
- Durable connecting mechanism for dependable operation
- Variable input attenuation (0 dB to 50 dB) and selectable RF power output (10 mW or 50 mW)
- Audio input level (Reference and peak) indication by LED



WRT-8B UHF Synthesized Transmitter U62/64 U66/68

- Ultra compact and lightweight: 140 g including batteries
- Selectable RF power output: 50 mW output for long-distance transmission or 10 mW output for multi-channel simultaneous operation
- Switchable input level (Line or MIC level) and attenuator level control knob
- SMA-J type, removable antenna
- Approximately 13 hours of continuous operation with two AA-size alkaline (LR6) batteries at 10 mW output
- Accepts the output of professional lavalier microphones equipped with a Sony 4-pin connector (SMC-4P) such as Sony ECM-88, ECM-77BC, ECM-44BC, ECM-310BC



WRT-822B UHF Synthesized Transmitter U62/64 U66/68

- Approximately six hours of continuous operation with two AA-size (LR6) alkaline batteries
- Compact, lightweight, magnesium alloy body
- 20 mW RF power output
- Accepts the output of professional lavalier microphones equipped with a Sony 4-pin connector (SMC-4P) such as Sony ECM-88, ECM-77BC, ECM-44BC, ECM-310BC



WRT-805B UHF Synthesized Transmitter U62/64 U66/68

- One AA-size (LR6) alkaline battery allows continuous operation for approximately six hours
- Smoothly tapered body pack with compact and lightweight design
- Switchable input level (-40 dBV or -60 dBV) and phase switch for lavalier microphone
- 3.5 mm (5/32-inch) dia., 3-pole mini jack with a lock mechanism for secure lavalier cable clamping



WRR-862B UHF Synthesized Dual Diversity Tuner U62/64 U66/68

- Receives two independent RF signals simultaneously on two separate channels
- Compact and lightweight: 400 g (14.1 oz) including batteries
- Two way powering: Internal battery operation or operation on external power from Sony camcorders via the supplied cable
- A red LED starts flashing approximately one* hour before the transmitter's battery is exhausted
- Two SMC9-4S (Sony 4-pin) audio output connectors are provided on the top panel
- Switchable RF squelch levels: ON (5 dB μ , 10 dB μ , 15 dB μ) or OFF
- Stereo mini jack for monitoring the output sound (switchable: Tuner 1/Tuner 2/Mixed) with headphones
- Monitor volume control provided

*This time may vary depending on the operational environment.



WRR-855B UHF Synthesized Diversity Tuner U62/64 U66/68

- Space Diversity Tuner for camcorder use
- Easily mounts onto Sony HDCAM[®] camcorders (except the HDW-F900) MPEG IMX[™] camcorders or Betacam SX[®] camcorders without need for audio/power cables or a mounting adaptor
- Compact and lightweight design: 280 g (11 oz)
- A D-sub 15-pin connector for audio output to a Sony professional camcorder and for receiving its power supply from the HDCAM camcorder, MPEG IMX camcorder or Betacam SX camcorder
- Use of the BTA-801 (optional mount adaptor) allows the WRR-855 to be mounted on Sony professional camcorders and powered from the camcorder via a DC cable supplied with BTA-801



WRR-861B UHF Synthesized Diversity Tuner U62/64 U66/68

- Single-channel version of the WRR-862B
- Two way powering: Internal battery operation or operation on external power from Sony camcorders via the supplied cable
- A red LED starts flashing approximately one* hour before the transmitter's battery is exhausted
- Switchable RF squelch levels: ON (5 dB μ , 10 dB μ , 15 dB μ) or OFF
- Stereo mini jack for monitoring the output sound
- Monitor volume control provided

*This time may vary depending on the operational environment.



WRR-805A UHF Synthesized Portable Tuner U64 U66 U68

- Compact and lightweight body for use with a variety of camcorders
- Flexible mounting position and direction for secure operation, for DV, DVCAM[®], Betacam SX and Digital Betacam camcorders
- 3.5 mm (5/32-inch) dia., 3-pole mini jack with a lock mechanism for secure camera cable clamping
- A red LED starts flashing approximately one* hour before the transmitter's battery is exhausted
- Convenient headphone monitoring with volume control

*This time may vary depending on the operational environment.

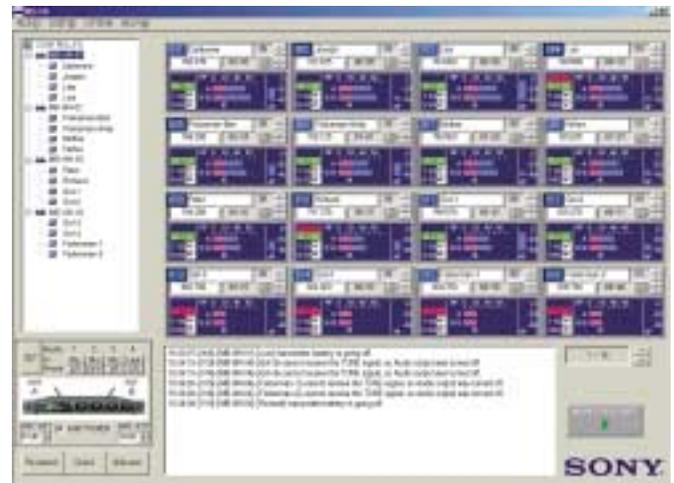
MB-8N Tuner Base Unit U



Photo shows MB-8N with four WRU-8N tuner units installed.



- Accommodates up to four WRU-8N tuner modules in a 1U high, rack-mountable chassis
- Built-in antenna-divider allows four MB-8Ns to be daisy-chained for up to 16-channel simultaneous operation without the need of an external divider. Addition of the WD-880A allows multi-channel operation with even more channels added.
- Control settings such as audio output levels, RF squelch levels, attenuator levels for the installed tuner modules, and power supply setting (ON/OFF) for the connected AN-820A antennas are available from the front panel
- An auto channel assignment function for extra receiver modules with self-detection and skipping of unusable channels
- A headphone monitor jack and level control knob are located on the front panel. The monitor output can be selected from individual WRU-8N tuner modules or mixed sound from all installed modules.
- Computer-based remote control is also possible via a standard Ethernet (10BASE-T) connection. The supplied software allows full monitoring of the operating status and all control settings available on both the MB-8N and WRU-8N. Multi-channel settings can be stored as files.



MB-8N supplied software GUI

WRU-8N UHF Synthesized Tuner Unit U62/64 U66/68



- Plug-in diversity tuner module for the MB-8N tuner base unit
- A jog dial allows operators to quickly choose the desired channel setting
- Pre-programmed groups for interference-free, multi-channel operation
- A red LED starts flashing approximately one* hour before the transmitter's battery is exhausted
- Precise RF squelch level setting: 10 dB μ , 20 dB μ , 30 dB μ or OFF
- Space diversity reception for dependable RF reception

*This time may vary depending on the operational environment.

MB-806A Tuner Base Unit U



Photo shows MB-806A with six WRU-806A/806B tuner units installed.



- Accommodates up to six WRU-806B for up to six simultaneous channels of operation
- Addition of the WD-820A or WD-880A allows multi-channel operation with even more channels added
- RF input attenuator switch (10 dB/0 dB)
- Balanced XLR output connector for each tuner and mix output
- Selectable output level: -58 dBm (for MIC) or -20 dBm (for LINE) at ± 5 kHz deviation at 1 kHz modulation
- An auto channel assignment function for extra receiver modules with self-detection and skipping of unusable channels
- Supplied passive antennas for rear mounting (with provision for front mounting)
- Modular design, 1U high 19-inch rack unit

WRU-806B UHF Synthesized Tuner Unit U62/64 U66/68



- Plug-in diversity receiver module for MB-806A tuner base unit
- Pre-programmed groups for interference free, multi-channel operation
- RF input status, audio output status, and battery alarm indications by both LED and LCD to double check operating condition
- Space diversity reception for dependable RF reception

WRR-802A UHF Synthesized Diversity Tuner U64 U66 U68



- Single-channel space diversity tuner, half 19-inch rack width and 1U high
- Output level control on front panel
- Supplied front-mounted passive antennas
- RF input status, audio output status, and battery alarm indications by both LED and LCD to double check operating condition
- Two types of output connectors:
 - TRS phone balanced connector (6.3 mm dia.), LINE level; -20 dBm at ± 5 kHz deviation at 1 kHz modulation
 - XLR connector, selectable output level (MIC level; -50 dBm, or LINE level; -20 dBm at ± 5 kHz deviation at 1 kHz modulation)

WD-820A UHF Antenna Divider U



WD-820A rear panel

- Provides diversity output for up to four receivers
- Multi-channel operation by combination with the MB-8N and WRU-8N or the MB-806A and WRU-806/806B
- Cascade output can be used for an additional antenna divider or receiver

- Two pair of antenna input connectors for up to four AN-820A antennas to expand the operating area of a wireless microphone system
- DC 9V power supply for the AN-820A UHF antennas via coaxial cable

* Operates in 758 MHz to 806 MHz.

WD-880A UHF Antenna Divider U



WD-880A front panel



WD-880A rear panel

- Ideal for complex, multi-channel applications from large scale live music events to TV OBs and large theater productions
- Stable reception minimizing interference and distortion
- Band pass SAW filters divide the spectrum of TV channels into multiple frequency bands, which are output from the WD-880A
- Dual inputs and outputs for diversity operation

- Switchable power supply (DC 9V or 12V) for the AN-820A UHF antennas
- LED indicators to show the output connection status
- 1 U size rack mountable

* Operates in 770 MHz to 806 MHz.

AN-820A UHF Antenna



- Built-in RF amplifier (10 dB gain)
- Easy installation on a wall or on a microphone stand with the supplied stand adaptor
- Used in pairs for diversity reception
- LED indication for installation check
- External power supply provided from the MB-8N, MB-806A or the WD-820A/880A via a coaxial cable



ECM-88

ECM-88 series

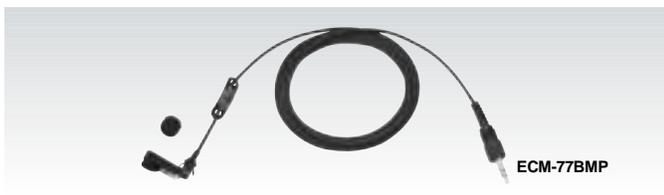
Lavalier Microphones

- Ultra-miniature, omni-directional microphone
- Rectangular dual-diaphragm mechanism contributes to a significant reduction in handling noise
- Water-resistant design

- Flat-and-wide frequency response: 20 Hz to 20 kHz
- Sensitivity: -52 dB \pm 2 dB (in combination with optional DC-78) -38 dB (12.6 mW)
- Signal-to-noise ratio: 68 dB or more (A-weighted, 1 kHz, 1 Pa.)
- Inherent noise: 26 dB SPL or less (A-weighted, 1 kHz, 1 Pa.)
- Microphone head: 3.5 mm (5/32 inch) x 3.5 mm (5/32 inch) x 16.8 mm (11/16 inch)
- Cable length: 2.5 m (8.2 feet)
- Supplied accessories (for ECM-88 only): Carrying case (1), holder clips (2, double-pin and tie-clip types), urethane windscreen (1)
- Two types available:

ECM-88; Supplied with the Sony 4-pin (SMC9-4P) connector for use with the WRT-8B/822B

ECM-88PT; Offered without a connector (pigtail), so users can choose the connectors according to their transmitter



ECM-77BMP

ECM-77 series

Lavalier Microphones

- High performance, miniature microphone
- Omni-directional, electret condenser microphone
- Frequency response: 40 Hz to 20 kHz
- Sensitivity: -39.0 dB (11.2 mV) (0 dB = 1V/Pa, at 1 kHz)
- Microphone head: 5.6 mm (1/4 inch) dia. x 12.5 mm (1/2 inches), approx. 1.5g (0.05 oz)
- Cable length: 1.2 m (3.9 feet)
- Supplied accessories: holder clips (2, single/horizontal type and single/vertical type), Metal-mesh windscreen (1)
- Two types available:
 - ECM-77BC;** Supplied with the Sony 4-pin (SMC9-4P) connector for use with the WRT-8B/822B
 - ECM-77BMP;** Supplied with 3-pole Mini Jack with a stable lock mechanism for use with the WRT-805B



ECM-44BMP

ECM-44 series

Lavalier Microphones

- Omni-directional, electret condenser microphone
- Superior sound quality
- Frequency response: 40 Hz to 15 kHz
- Sensitivity: -40 dB SPL (10 mV) (0 dB = 1V/Pa, at 1 kHz)
- Microphone head: 8.5 mm (11/32 inch) dia. X 14.5 mm (19/32 inches), approx. 2 g (0.07 oz)
- Cable length: 1.2 m (3.9 feet)
- Supplied accessories: holder clip (1, single/horizontal type), Urethane windscreen (1)
- Two types available:
 - ECM-44BC;** Supplied with the Sony 4-pin (SMC9-4P) connector for use with the WRT-8B/822B
 - ECM-44BMP;** Supplied with 3-pole Mini Jack with a stable lock mechanism for use with the WRT-805B



ECM-166BMP

ECM-166 series

Lavalier Microphones

- Uni-directional, electret condenser microphone
- Resistant to howling by rejecting indirect sound
- Ideal for institutional uses and sound contracting applications such as speeches, lectures and conferences
- Frequency response: 100 Hz to 10 kHz
- Sensitivity: -45 dB (5.6 mV) (0 dB = 1V/Pa, at 1 kHz)
- Microphone head: 12.5 mm (1/2 inch) dia. x 23.5 mm (15/16 inches), approx. 3.5 g (0.12 oz)
- Cable length: 1.2 m (3.9 feet)
- Supplied accessories: Urethane windscreen (1), holder clip (1)
- Two types available:
 - ECM-166BC;** Supplied with the Sony 4-pin (SMC9-4P) connector for use with the WRT-8B/822B
 - ECM-166BMP;** Supplied with 3-pole Mini Jack with a stable lock mechanism for use with the WRT-805B



ECM-310BMP

ECM-310 series

Headset Microphones

- Lightweight, headset-style microphone for sound reinforcement applications
- Wide-cardioid, electret condenser microphone provides crisp and clear sound while isolating desired sound from surrounding ambience
- Adjustable hinge and goose-neck
- Frequency response: 70 Hz to 12 kHz
- Sensitivity: -44 dB (6.3 mV) \pm 3 dB (0 dB = 1V/Pa, at 1 kHz)
- Cable length: 1.2 m (3.9 feet)
- Supplied accessory: Urethane windscreen (1)
- Two types available:
 - ECM-310BC;** Supplied with the Sony 4-pin (SMC9-4P) connector for use with the WRT-8B/822B
 - ECM-310BMP;** Supplied with 3-pole Mini Jack with a stable lock mechanism for use with the WRT-805B



BTA-801

Portable Tuner Mount Adaptor

- Allows a WRR-855B portable tuner to be mounted on a Sony professional camcorder
- Supplies DC power from the camcorder to the WRR-855B via the supplied 4-pin DC cable



CA-WR855

Camera Adaptor

- Enables a WRR-855B portable tuner to be mounted on Sony DSR-570WS/570WSP/370/370P DVCAM camcorders with direct audio/power connection interfaces



A-8278-057-A

Mounting Bracket

- For mounting any Sony portable tuner (with tuner supplied hardware) to Sony professional camcorders which operate on Sony Lithium-Ion or Nickel Metal Hybrid battery packs



EC-1.5CF

Microphone Cable

- Fitted with an XLR-3-11 connector and SMC9-4P connector
- Allows a microphone with a 3-pin male XLR output connector to be connected to WRT-8B/822B bodypack transmitter
- Cable length: 1.5 m (4.9 feet)



K-1161

Guitar Cable

- Used with the WRT-8B/822B bodypack transmitter
- Special active guitar cable
- Incorporates an impedance converter FET
- 6.3mm dia. (1/4 inch dia.) 2-pole phone jack to the SMC9-4P connector with lock mechanism
- Cable length: 0.7 m (2.3 feet)



K-1334

BMP-XLR Conversion Cable (Balanced) for WRR-805A

- 3.5 mm dia. (5/32 inch dia.) 3-pole mini phone jack with a lock mechanism to XLR-3-12C type connector
- Cable length: 0.46 m (1.5 feet)



K-1324

BMP Plug

- Used for connecting a wired microphone to the WRT-805B bodypack transmitter or as an audio cable plug for connection to the WRR-805A portable tuner
- 3-pole mini plug with a lock mechanism

SRP-X700P Powered Mixer



SRP-X700P with two optional WRU-806A/806B installed



- All-in-one presentation mixer ideal for conference rooms, lecture halls, theaters and other presentation applications
- Contains a high-quality digital audio mixer, power amplifier, wireless microphone receiver (optional), RGB/video switcher, feedback reducer and equalizer in a compact 3U high unit
- Combines a six-input RGB/video switcher with an audio mixer. The switcher allows a variety of video and PC graphic sources to be routed to the presentation system while the audio mixer processes input signals from wired and wireless microphones as well as audio playback devices.
- Mixes and processes the 6-mono inputs (4 mic, 2 mic/line), one-stereo input, and the stereo or 5.1 inputs selected by the switcher to 10 outputs
- Wireless microphone slots accommodates up to two WRU-806B tuner modules
- Programmable TRIM, LCF, parametric EQ, feedback reducer, compressor/limiter, Delay, and automatic microphone mixing with 20-scene memory capacity
- Integrated machine control capability:
 - Remote control of SRP-X700P via USB, RS-232C from a PC
 - RS-232C output port allows remote control of a projector/plasma display unit from the SRP-X700P to select the projector's input from RGB, component or composite as well as control of power on/standby
 - Control-S ports allows remote control of Sony's VTRs, DVD/CD/MD players and video/data projectors from the SRP-X700P
 - Parallel output port allows remote control of peripheral equipment such as a curtain, screen and/or lights from the SRP-X700P*
- Supplied software for comprehensive set-up and controls of SRP-X700P from a PC via USB

* Requires an interface box between the SRP-X700P and external device.

SRP-X351P Powered Mixer



SRP-351RM

- Ideal for conference rooms, lecture halls, theaters and other presentation applications
- Contains an audio mixer, power amplifier, wireless microphone receiver (optional), and video switcher in a 3U high unit
- Combines a four-input video switcher with an audio mixer. The switcher matrix allows a variety of video sources to be routed to the presentation system while the audio mixer processes input signals from wired and wireless microphones as well as audio playback devices.
- Accepts four wired/wireless microphone inputs and three stereo inputs. A volume control knob for all mic inputs is provided on the front panel.
- Two wireless microphone slots accommodate up to two WRU-806B tuner modules
- A 1/4-inch jack is provided on the front panel for a microphone input (channel No. 4)



Installed tuner units

- Tone control and volume control for master output
- RS-232C and Control-S port for remote control of the SRP-X351P audio/video input source selection and master output volume from a PC
- The supplied SRP-351RM wireless remote control allows video source selection and remote control of Sony audio playback devices (CD, MD, cassette deck, etc.) and master volume and muting

Handheld Microphones

	WRT-847B	WRT-867A	WRT-807A WRT-807B
UHF, PLL Synthesized System	●	●	●
Operating Frequency Band	24 MHz band	12 MHz band	24 MHz band
Tone Signal	●	●	●
Compander System (compressor)	●	●	●
Microphone Capsule	Dynamic, uni-directional (with optional CU-F780/G780) Dynamic, omni-directional (with optional CU-F117) Electret condenser, uni-directional (with optional CU-E700/E672)	Dynamic, uni-directional	Dynamic, uni-directional
Audio-attenuator Levels	-12 dB to +9 dB (in 3 dB steps)	0 dB, 6 dB or 12 dB	0 dB to 21 dB (in 3 dB steps)
Antenna	1/4 wavelength whip antenna	Helical antenna	1/4 wavelength whip antenna
RF Power Output	50 mW or 10 mW	10 mW	10 mW
LCD Panel	Channel number, Frequency in MHz, Audio input status, RF-output level setting (Low or High), RF output status, Compander time constant, Attenuator level, Battery reserve, Accumulated operating time	Channel number	Channel number, Frequency in MHz, Audio input status, RF output status, Attenuator level, Battery reserve, Accumulated operating time
LED Indicators	—	Power-on status	—
Transmission of Battery Status	●	—	●
Battery Life	8 hours	5 hours	5 hours
Channel Setting Back-up	●	●	●
Supplied accessories	Microphone holder (1), Stand adaptor (1), Channel color seal (1), Soft case (1), Operating instructions (1)	Microphone holder (1), Stand adaptor (1), Channel color seal (1), Operating instructions (1)	Microphone holder (1), Metal-screw stand adaptor (1), Operating instructions (1)

Bodypack/Plug-in Transmitters

	WRT-8B	WRT-822B	WRT-805B	WRT-808A
UHF, PLL Synthesized System	●	●	●	●
Operating frequency band	24 MHz band	24 MHz band	24 MHz band	12 MHz band
Tone Signal	●	●	●	●
Compander System (Compressor)	●	●	●	●
Audio-attenuator Levels	0 dB to 40 dB, continuous	0 dB to 21 dB (in 3 dB steps)	0 dB to 21 dB (in 3 dB steps)	0 dB to 50 dB, continuous
Antenna	1/4 wavelength whip antenna (removable)	1/4 wavelength whip antenna	1/4 wavelength wire antenna	Built-in antenna
RF Power Output	50 mW or 10 mW	10 mW with WRT-822A 20 mW with WRT-822B	10 mW	50 mW or 10 mW
LCD Panel	Channel number, Frequency in MHz, Audio input status, RF output level setting (Low or High), RF output status, Attenuator level, Battery reserve, Accumulated operating time	Channel number, Frequency in MHz, Audio input status, RF output status, Attenuator level, Battery reserve, Accumulated operating time	Channel number, Frequency in MHz, Audio input status, RF output status, Attenuator level, Battery reserve, Accumulated operating time	—
LED Indicators	Audio input level (peak level)	—	—	Battery reserve, Audio input level (reference level or peak level)
Transmission of Battery Status	●	●	●	●
Audio Input Connectors	Sony 4-pin (SMC9-4S)	Sony 4-pin (SMC9-4S)	3.5 mm dia, 3-pole mini jack with lock mechanism	XLR 3-pin
Battery Life	13 hours at 10 mW output 6 hours at 50 mW output	6 hours with WRT-822B	6 hours	4 hours
Channel Setting Back-up	●	●	●	●
Supplied accessories	Soft case (1), Spare battery case (1), Microphone cable (SMC9-4P to XLR 3-pin) (1), Operating instructions (1)	Leatherette case (1), Operating instructions (1)	Operating Instructions (1)	Soft case (1), Operating instructions (1)

Portable Tuners

	WRR-862B	WRR-855B	WRR-861B	WRR-805A
UHF, PLL Synthesized System	●	●	●	●
Operating Frequency Band	24 MHz band	24 MHz band	24 MHz band	14 MHz band
Space Diversity Reception System	●	●	●	—
Pre-programmed Frequency Groups	●	●	●	●
Advanced Filtering (SAW filters)	●	●	●	●
Tone Squelch Circuitry	●	●	●	●
Compander System (expander)	●	●	●	●
RF Squelch Levels	5 dBμ, 10 dBμ, 15 dBμ or OFF	10 dBμ or OFF	5 dBμ, 10 dBμ, 15 dBμ or OFF	15 dBμ
LCD Panel	Channel number, Frequency in MHz, RF input level, Audio output status, Tuner battery reserve, Accumulated operating time	Channel number	Channel number, Frequency in MHz, RF input level, Audio output status, Tuner battery reserve, Accumulated operating time	Channel number, Frequency in MHz, RF input level, Audio output status, Tuner battery reserve, Accumulated operating time
LED Indicators	RF input level, Diversity reception status, Transmitter battery alarm	RF input level, Audio output status	RF input level, Diversity reception status, Transmitter battery alarm	RF input level, Transmitter battery alarm
Remote Battery Alarm of Transmitters	●	—	●	●
Audio Output Connectors	Sony 4-pin (SMC9-4S)	D-sub 15-pin	Sony 4-pin (SMC9-4S)	3.5 mm dia, 3-pole mini jack with lock mechanism
Battery Life	5 hours	—*	8 hours	6 hours
Channel Setting Back-up	●	●	●	●
Supplied accessories	Attachment case (1), Mounting plate for use with optional A-8278-057-A Mounting bracket (1), Antennas (1 pair), Output cable (SMC9-4S to XLR 3-pin) (2), DC cable (1), Operating instructions (1)	Antennas (1 pair), Operating instructions (1)	Attachment case (1), Mounting plate for use with optional A-8278-057-A Mounting bracket (1), Antennas (1 pair), Output cable (SMC9-4S to XLR 3-pin) (1), DC cable (1), Operating instructions (1)	Attachment case with a belt clip (1), Output cable (BMP to mini plug) (1), Operating instructions (1)

Tuners

*The WRR-855B receives power from a camcorder via the D-sub 15-pin connector.

	MB-8N with WRU-8N	MB-806A with WRU-806B	WRR-802A
UHF, PLL Synthesized System	●	●	●
Operating Frequency Band	24 MHz band	24 MHz band	12 MHz band
Space Diversity Reception System	●	●	●
Pre-programmed Frequency Groups	●	●	●
Advanced Filtering (SAW filters)	●	●	●
Tone Squelch Circuitry	●	●	●
Compander System (expander)	●	●	●
RF Squelch Levels	10 dBμ, 20 dBμ, 30 dBμ or OFF	30 dBμ	30 dBμ
LCD Panel	MB-8N: Menu for parameter setup WRU-8N: Channel number, Frequency in MHz, RF input level, Audio output status,	WRU-806B: Channel number, Frequency in MHz, RF input level, Audio output status, Transmitter battery reserve	Channel number, Frequency in MHz, RF input level, Audio output status, Transmitter battery reserve
LED Indicators	WRU-8N: Diversity reception status, Audio output status, Transmitter battery alarm	WRU-806B: RF input status, Audio output status, Transmitter battery alarm	RF input status, Audio output status, Transmitter battery alarm
Remote Battery Alarm of Transmitters	●	●	●
Audio Output Connectors	XLR 3-pin type (main) and D-sub 15-pin, female (sub)	XLR 3-pin type	XLR 3-pin type and TRS hone jack
Computer-based Control	●	—	—
Channel Setting Back-up	●	●	●
Supplied accessories	MB-8N: AC power cord (1), CD-ROM containing operating instructions and MB-8N supplied software (1)	MB-806A: AC power cord (1), Antennas (1 pair)	AC power adaptor (1), Antennas (1 pair)

Handheld Microphones

	WRT-847B	WRT-867A	WRT-807B
Carrier frequency range:	758 MHz to 782 MHz (U62/64) 782 MHz to 806 MHz (U66/68)	794 MHz to 806 MHz (U68)	758 MHz to 782 MHz (U62/64) 782 MHz to 806 MHz (U66/68)
Oscillator:	Crystal controlled PLL synthesizer	Crystal controlled PLL synthesizer	Crystal controlled PLL synthesizer
Type of emission:	F3E	F3E	F3E
RF power output:	10 mW/50 mW selectable (50 Ω load)	10 mW (50 Ω load)	10 mW (50 Ω load)
Antenna:	1/4 wave length wire antenna	Helical antenna	1/4 wave length wire antenna
Reference deviation:	±5 kHz (94 dB SPL, 1 kHz)	±5 kHz (94 dB SPL, 1 kHz)	±5 kHz (94 dB SPL, 1 kHz)
Frequency response:	50 Hz to 18 kHz (typical)	40 Hz to 20 kHz (typical)	50 Hz to 15 kHz (typical)
Signal-to-noise ratio:	60 dB or more (A-weighted, at reference deviation)	60 dB or more (A-weighted, at reference deviation)	60 dB or more (A-weighted, at reference deviation)
Audio attenuator adjustment range (pad):	-12 dB to +9 dB variable in 3 dB steps	0, 6 dB or 12 dB switchable	0 to 21 dB, variable in 3 dB steps
Max. input sound pressure level:	142 dB SPL (with CU-F780/G780/E700/F117 at audio gain -12 dB) 120 dB SPL (with CU-E672)	142 dB SPL (with 12 dB attenuator)	151 dB SPL (with 21 dB attenuator)
Microphone capsule:	Interchangeable (Optional)	Dynamic	Dynamic
Directivity:	—	Uni-directional	Uni-directional
Operating voltage:	DC 3.0 V (two LR6 AA-size alkaline batteries)	DC 1.5 V (one LR6 AA-size alkaline battery)	DC 1.5 V (one LR6 AA-size alkaline battery)
Battery life (at 25 °C (77 °F), with Sony LR6 AA-size alkaline batteries) :	Approx. 8 hours	Approx. 4 hours	Approx. 5 hours
Dimensions:	ø 37 x 150 mm (ø 1 1/2 x 6 inches)	ø 51 x 195 mm (ø 2 1/8 x 7 3/4 inches)	ø 51 x 238 mm (ø 2 1/8 x 9 3/8 inches)
Mass:	Approx. 190 g (6.7 oz) including batteries	Approx. 325 g (11.5 oz) including battery	440 g (15.5 oz) including battery
Supplied accessories:	Microphone holder (1), Stand adaptor (1), Channel color seal (1), Softcase (1), Operating instructions (1)	Microphone holder (1), Stand adaptor (1), Channel color seal (1), Operating instructions (1)	Microphone holder (1), Metal-screw stand adaptor (1), Operating instructions (1)

Bodypack/Plug-in Transmitters

	WRT-8B	WRT-822B	WRT-805B	WRT-808A
Carrier frequency range:	758 MHz to 782 MHz (U62/64) 782 MHz to 806 MHz (U66/68) 792 MHz to 806 MHz (AU66)	758 MHz to 782 MHz (U62/64) 782 MHz to 806 MHz (U66/68) 792 MHz to 806 MHz (AU66)	758 MHz to 782 MHz (U62/64) 782 MHz to 806 MHz (U66/68) 792 MHz to 806 MHz (AU66)	770 MHz to 782 MHz (U64) 782 MHz to 794 MHz (U66) 794 MHz to 806 MHz (U68) 792 MHz to 806 MHz (AU66)
Oscillator:	Crystal controlled PLL synthesizer	Crystal controlled PLL synthesizer	Crystal controlled PLL synthesizer	Crystal controlled PLL synthesizer
Type of emission:	F3E	F3E	F3E	F3E
RF power output:	10 mW or 50 mW (e.r.p.) selectable	10 mW (AU-type) (50 Ω load) 20 mW (USA-type) (50 Ω load)	10 mW (50 Ω load)	10 mW or 50 mW selectable (50 Ω load)
Antenna:	1/4 wave length wire antenna (SMA-J type connector)	1/4 wave length wire antenna	1/4 wave length wire antenna	Internal antenna
Reference deviation:	±5 kHz (-60 dBV, 1 kHz input, MIC position) ±5 kHz (-20 dBu, 1 kHz input, LINE position)	±5 kHz (-60 dBV, 1 kHz input)	±5 kHz (-60 dBV, 1 kHz input**1)	±9 kHz (-60 dBV, 1 kHz input)
Frequency response:	40 Hz to 20 kHz (typical)	70 Hz to 15 kHz (typical)	70 Hz to 15 kHz (typical)	70 Hz to 15 kHz (typical)
Signal-to-noise ratio:	60 dB or more (A-weighted, at reference deviation)	60 dB (A-weighted, at reference deviation)	57 dB (A-weighted, at reference deviation)	67 dB or more (A-weighted, at reference deviation)
Audio attenuator adjustment range (pad):	0 to 40 dB, continuous	0 to 21 dB, variable in 3 dB step	0 to 21 dB, variable in 3 dB steps	0 dB to 50 dB, continuous
Max. input level:	-2 dBV (1 kHz input, MIC position) +38 dBu (1 kHz input, LINE position)	-3 dBV (with 21 dB attenuator)	+17 dBV (-40 dBV position*2, 21 dB attenuator)	+16 dBV
Input connectors:	Sony 4-pin (SMC9-4S) (1)	Sony 4-pin (SMC9-4S) (1)	3.5 mm dia. 3-pole mini jack (1)	XLR 3-pin (1), female
Operating voltage:	DC 3.0 V (two LR6 AA-size alkaline batteries)	DC 3.0 V (two LR6 AA-size alkaline batteries)	DC 1.5V (one LR6 AA-size alkaline battery)	DC 3.0V (two LR6 AA-size alkaline batteries)
Battery life (at 25 °C (77 °F), with Sony LR6 AA-size alkaline batteries) :	Approx. 6 hours at 50 mW output Approx. 13 hours at 10 mW output	Approx. 6 hours (USA-type)	Approx. 6 hours	Approx. 4 hours
Dimensions (W x H x D):	63 x 83 x 17 mm (2 1/2 x 3 3/8 x 11/16 inches)	63 x 103 x 17 mm (2 1/2 x 4 1/8 x 11/16 inches)	58 x 93 x 21 mm (2 3/8 x 3 3/4 x 27/32 inches)	40 x 40 x 108 mm (1 5/8 x 1 5/8 x 4 3/8 inches)
Mass:	140 g (4.9 oz) including batteries	145 g (5.1 oz) including batteries	100 g (3.5 oz) including battery	175 g (6.18 oz) including battery
Supplied accessories:	Soft case (1), Spare battery case (1), Microphone cable (1), Operating instructions (1)	Leatherette case (1), Operating instructions (1)	Operating instructions (1)	Soft case (1), Operating instructions (1)

*1 INPUT switch at -60 dBV position **2 INPUT switch at -40 dBV position

Antenna Dividers

	WD-820A	WD-880A
Frequency range:	758 MHz to 806 MHz (USA type)	770 MHz to 806 MHz (USA type)
Channel Distribution:	Inputs: 2 pairs Outputs: 4 pairs	Inputs: 1 pair Outputs: 6 pairs (for 6 TV channels)
Input/output impedance:	50 Ω	50 Ω
Cascade output:	1 pair	0
Power supply for Antenna booster (supplied from antenna input connectors)	DC 9V	DC 12V/9V/OFF switchable
Power consumption:	6W +outlet 300W (max.)	10W
Dimensions (W x H x D):	482 x 44 x 300 mm (19 x 1 3/4 x 11 7/8 inches)	482 x 44 x 300 mm (19 x 1 3/4 x 11 7/8 inches)
Mass:	Approx. 4.2kg (9 lb 3 oz)	Approx. 4.0kg (8 lb 13 oz)
Supplied accessories:	50 Ω BNC terminators (6)	AC power cord (1)

0 dB SPL = 20 μ Pa.
 0 dBV = 1 Vrms
 1 dBu = 0.775 Vrms
 1 dB μ = 1 μ V_{EMF}

Portable Tuners

	WRR-862B	WRR-855B	WRR-861B	WRR-805A
Receiving channels:	2 channels	1 channel	1 channel	1 channel
Receiving frequency range:	2 frequencies within 758 MHz to 782 MHz (U62/64) 2 frequencies within 782 MHz to 806 MHz (U66/68)	758 MHz to 782 MHz (U62/64) 782 MHz to 806 MHz (U66/68)	758 MHz to 782 MHz (U62/64) 782 MHz to 806 MHz (U66/68)	770 MHz to 782 MHz (U64) 782 MHz to 794 MHz (U66) 794 MHz to 806 MHz (U68)
Local Oscillators:	1st: PLL synthesizer, 2nd: Crystal oscillator	1st: PLL synthesizer, 2nd: Crystal oscillator	1st: PLL synthesizer, 2nd: Crystal oscillator	1st: PLL synthesizer, 2nd: Crystal oscillator
De-emphasis:	50 μ s	50 μ s	50 μ s	50 μ s
Reference deviation:	\pm 5 kHz deviation at 1 kHz modulation (Maximum deviation: \pm 40 kHz deviation at 1 kHz modulation)	\pm 5 kHz deviation at 1 kHz modulation (Maximum deviation: \pm 40 kHz deviation at 1 kHz modulation)	\pm 5 kHz deviation at 1 kHz modulation (Maximum deviation: \pm 40 kHz deviation at 1 kHz modulation)	\pm 5 kHz deviation at 1 kHz modulation (Maximum deviation: \pm 40 kHz deviation at 1 kHz modulation)
Selectivity:	60 dB or more at \pm 250 kHz	60 dB or more at \pm 250 kHz	60 dB or more at \pm 250 kHz	60 dB or more at \pm 250 kHz
Spurious rejection:	70 dB or more	80 dB or more	70 dB or more	70 dB or more
Frequency range:	40 Hz to 18 kHz (typical)	40 Hz to 18 kHz (typical)	40 Hz to 18 kHz (typical)	70 Hz to 18 kHz (typical)
Signal-to-noise ratio:	60 dB or more (65 dB typical) at 60 dB μ RF input at reference deviation, A-weighted	60 dB or more at 60 dB μ RF input at reference deviation, A-weighted	60 dB or more (65 dB typical) at 60 dB μ RF input at reference deviation, A-weighted	30 dB or more at 10 dB μ RF input at reference deviation, A-weighted
RF muting (squelch) level:	5 dB μ , 10 dB μ , 15 dB μ or OFF	10 dB μ or OFF	5 dB μ , 10 dB μ , 15 dB μ or OFF	15 dB μ \pm 5 dB μ
Audio output level:	-58 dBm at reference deviation	-40 dBu at reference deviation	-58 dBm at reference deviation	-58 dBm at reference deviation
Audio output connector:	SMC9-4S (Sony 4-pin, x 2), balanced	D-sub 15-pin (1), unbalanced	SMC9-4S (Sony 4-pin) (1), balanced	3.5 mm (5/32 inch) 3-pole mini phone jack (1), balanced
Antenna connector:	BNC-R type (2), 50 Ω (nominal)	BNC-R type (2), 50 Ω (nominal)	BNC-R type (2), 50 Ω (nominal)	—
Monitor output connector:	3.5 mm dia. mini jack (x 1, 5 mW), Tuner 1/2/Mixed Selectable	—	3.5 mm dia. stereo mini jack (x 1, 5 mW)	3.5 mm dia. 3-pole stereo mini phone jack
Operating voltage:	Batteries: DC 6 V (four LR6 AA-size alkaline batteries) External: DC 12 V	External: DC 7V	Batteries: DC 6 V (four LR6 AA-size alkaline batteries) External: DC 12 V	Batteries: DC 3 V (two LR6 AA-size alkaline batteries)
Battery life (at 25 °C (77 °F), with Sony LR6 AA-size alkaline batteries):	Approx. 5 hours	—	Approx. 8 hours	Approx. 5 hours
Current (power) consumption:	Batteries: approx. 230 mA at DC 6 V External: approx. 135 mA at DC 12 V	200 mA or less at external DC 7V	Batteries: approx. 140 mA at DC 6 V External: approx. 85 mA at DC 12 V	205 mA or less at DC 3V
Dimensions (W x H x D):	89.0 x 120.0 x 29.5 mm (3 5/8 x 4 3/4 x 1 3/16 inches)	88.0 x 119.0 x 31.3 mm (3 1/2 x 4 3/4 x 1 1/4 inches)	89.0 x 120.0 x 29.5 mm (3 5/8 x 4 3/4 x 1 3/16 inches)	44 x 121 x 24 mm (1 3/4 x 4 7/8 x 31/32 inches)
Mass:	Approx. 400 g (14.1 oz) including batteries	Approx. 280g (10.0 oz)	Approx. 400 g (14.1 oz) including batteries	Approx. 140 g (4.9 oz) including batteries
Supplied accessories:	Attachment case (1), Mounting plate for use with optional A-8278-057A mounting bracket (1), Antennas (1 pair), Output cables (2), DC cable (1), Operating instructions (1)	Antennas (1 pair), Operating instructions (1)	Attachment case (1), Mounting plate for use with optional A-8278-057A mounting bracket (1), Antennas (1 pair), output cable (1), DC cable (1), Operating instructions (1)	Attachment case with a belt clip (1), Output cable (1), Operating instruction (1)

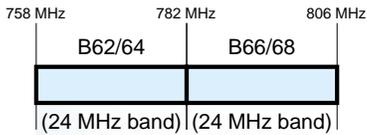
Tuners

	MB-8N	MB-806A	WRU-8N	WRU-806B	WRR-802A
Receiving channels:	4 channels when accommodating 4 WRU-8N tuner modules	6 channels when accommodating 6 WRU-806A/806B tuner modules	1 channel	1 channel	1 channel
Receiving frequency range:	758 MHz to 806 MHz (USA type)	758 MHz to 806 MHz (USA type)	758 MHz to 782 MHz (U62/64) 782 MHz to 806 MHz (U66/68)	758 MHz to 782 MHz (U62/64) 782 MHz to 806 MHz (U66/68)	770 MHz to 782 MHz (U64) 782 MHz to 794 MHz (U66) 794 MHz to 806 MHz (U68)
Local Oscillators:	—	—	PLL synthesizer	1st: PLL synthesizer, 2nd: Crystal oscillator	1st: PLL synthesizer, 2nd: Crystal oscillator
De-emphasis:	—	—	50 μ s	50 μ s	50 μ s
Reference deviation:	—	—	\pm 5 kHz deviation at 1 kHz modulation (Maximum deviation: \pm 40 kHz deviation at 1 kHz modulation)	\pm 5 kHz deviation at 1 kHz modulation (Maximum deviation: \pm 40 kHz deviation at 1 kHz modulation)	\pm 5 kHz deviation at 1 kHz modulation (Maximum deviation: \pm 40 kHz deviation at 1 kHz modulation)
Selectivity:	—	—	60 dB or more at \pm 250 kHz	60 dB or more at \pm 250 kHz	60 dB or more at \pm 250 kHz
Frequency range:	—	—	40 Hz to 20 kHz (typical)	70 Hz to 18 kHz (typical)	70 Hz to 18 kHz (typical)
Signal-to-noise ratio:	—	—	60 dB or more (65 dB typical) at 60 dB μ RF input at reference deviation, A-weighted	60 dB or more at 60 dB μ RF input at reference deviation, A-weighted	60 dB or more at 60 dB μ RF input at reference deviation, A-weighted
RF muting (squelch) level:	—	—	10 dB μ , 20 dB μ , 30 dB μ or off	30 dB μ	30 dB μ
Audio output level:	-20 dBm (LINE)/-58 dBm (MIC) at reference deviation	-20 dBm (LINE)/-58 dBm (MIC) at reference deviation	—	—	-20 dBm (LINE)/-58 dBm (MIC) at reference deviation via XLR-3-32 -20 dBm via TRS phone
Audio output connector:	XLR-3-32 type (4), balanced D-sub 15-pin (1) for sub output, female, unbalanced	XLR-3-32 (7), balanced	—	—	XLR-3-32 (1), balanced 6.3 mm (1/4 inch) dia., TRS phone (1), balanced
Antenna attenuator level:	0 dB, 5 dB, 10 dB, 15 dB	0 dB or 10 dB	—	—	—
Antenna connector:	Inputs: BNC-R type (x 2), 50 Ω (nominal) Outputs (for cascade connection): BNC-R type (2), 50 Ω (nominal)	Inputs: BNC-R type (2), 50 Ω (nominal)	—	—	BNC-R type (2), 50 Ω (nominal)
Monitor output level:	5 mW or more (24 to 45 Ω load)	—	—	—	—
Monitor output connector:	6.3 mm dia. stereo mini jack (1)	—	—	—	—
Network connector:	RJ-45 (1), 10BASE-T	—	—	—	—
Operating voltage:	AC 120V, 60 Hz	AC 120 V, 60 Hz	DC 5 V (supplied from MB-8N)	DC 9V (supplied from MB-806A)	DC 9 V
Current (power) consumption:	50 W when accommodating four WRU-8N tuner modules	30 W when accommodating six WRU-806B tuner modules	260 mA or less	225 mA or less	600 mA or less
Dimensions (W x H x D):	482 x 44 x 300 mm (19 x 1 3/4 x 11 7/8 inches)	482 x 44 x 300 mm (19 x 1 3/4 x 11 7/8 inches)	56.0 x 30.7 x 149.0 mm (2 1/4 x 1 1/4 x 5 7/8 inches)	57 x 26 x 122 mm (2 1/4 x 1 1/16 x 4 7/8 inches)	218 x 44 x 210 mm (8 5/8 x 1 3/4 x 8 3/8 inches)
Mass:	3.7 kg (8 lb 6 oz)	3.6 kg (7 lb 15 oz)	165 g (5.8 oz)	160 g (5.7 oz)	1.6 kg (3 lb 8 oz)
Supplied accessories:	AC power cord (1), CD-ROM (contains operating instructions and MB-8N supplied software) (1)	AC power cord (1), Antennas (1 pair), Operating instructions (1)	—	Operating instructions (1)	AC power adaptor (1), Antennas (1 pair), operating instructions (x 1)

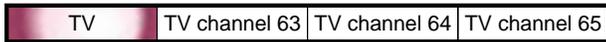
Multi-channel simultaneous operations

The Sony wireless microphone system allows a wide variety of multi-channel systems to be flexibly configured to meet individual requirements.

The number of channels that can be simultaneously operated using *One Version of B-series (USA-type) Products* (without use of a WD-880A) is as follows;



When all four TV channels are available, up to 16-channel simultaneous operation is possible.



or



or



or



When three of four TV channels are available, up to 13-channel simultaneous operation is possible.

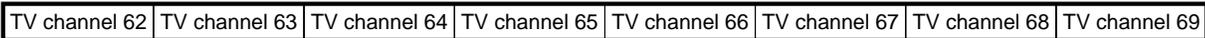


or



When either the even or the odd TV channels are available, up to 11-channel simultaneous operation is possible.

The number of channels that can be simultaneously operated using *the B62/64 and B66/68 Combination* (without use of a WD-880A) is as follows;



When all eight TV channels are available, up to 22-channel simultaneous operation is possible.

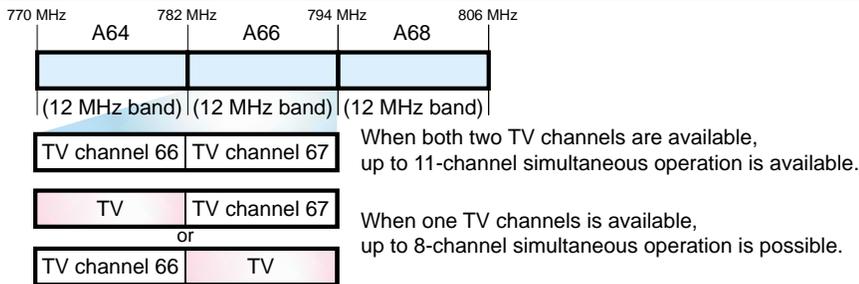


or

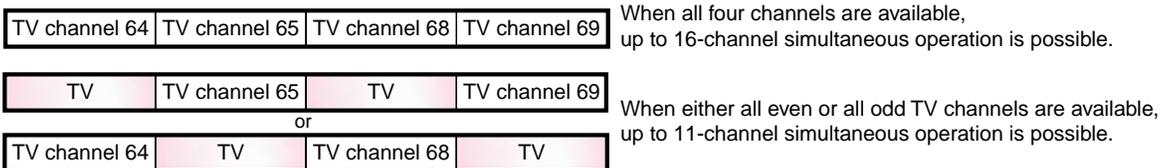


When either all even or all odd TV channels are available, up to 16-channel simultaneous operation is possible.

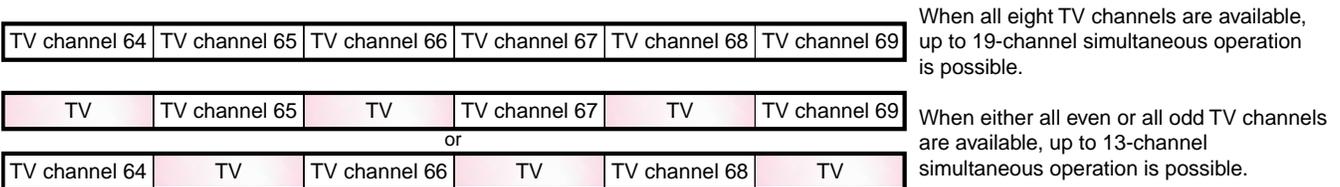
The number of channels that can be simultaneously operated using *One Version of A-series (USA-type) Products* (without use of a WD-880A) is as follows;



The number of channels that can be simultaneously operated using *Two of the Three A-series (USA-type) Products* (without use of a WD-880A) is as follows;



The number of channels that can be simultaneously operated using *All USA-Type A64/A66/A68 Combination* (without use of a WD-880A) is as follows;



Wireless Microphone Tuner and Camcorder Combinations

	Camcorder/Tuner Interfaces				Optional Accessories Required for Mounting Tuners			
	Built-in Wireless Slot	DC Output for Wireless Tuner	Mic-input connector	Audio-input connector	WRR-862B	WRR-861B	WRR-855B	WRR-805A*1
HDCAM Camcorders								
HDW-F900	No	Yes	XLR 3-pin (x1)	XLR 3-pin (x2)	A-8278-057-A	A-8278-057-A	A-8278-057-A and BTA-801	Optional mounting-accessory is not required when mounting on the camcorder handle*2.
HDW-750/750P HDW-730	Yes	Yes	XLR 5-pin (x1)	XLR 3-pin (x2)	A-8278-057-A	A-8278-057-A	Optional mounting-accessory is not required.	Optional mounting-accessory is not required when mounting on the camcorder handle*2.
Digital Betacam Camcorders								
DVW-790WS/790WSP DVW-709WS/709WSP DVW-707/707P	No	Yes	XLR 3-pin (x1)	XLR 3-pin (x2)	A-8278-057-A	A-8278-057-A	A-8278-057-A and BTA-801	Optional mounting-accessory is not required when mounting on the camcorder handle*2.
MPEG IMX Camcorder								
MSW-900/900P	Yes	Yes	XLR 3-pin (x1)	XLR 3-pin (x2)	A-8278-057-A	A-8278-057-A	Optional mounting-accessory is not required.	Optional mounting-accessory is not required when mounting on the camcorder handle*2.
Betacam SX Camcorders								
DNW-77P DNW-9WS/9WSP DNW-90/90P DNW-90WS/90WSP	Yes	Yes	XLR 3-pin (x1)	XLR 3-pin (x2)	A-8278-057-A	A-8278-057-A	Optional mounting-accessory is not required.	Optional mounting-accessory is not required when mounting on the camcorder handle*2.
DVCAM Camcorders								
DSR-570WS/570WSP DSR-370/370P	No	Yes	XLR 3-pin (x1)	XLR 3-pin (x2)	A-8278-057-A	A-8278-057-A	CA-WR855	Optional mounting-accessory is not required when mounting on the camcorder handle*2.
DSR-250/250P	No	Yes	XLR 3-pin (x1)	XLR 3-pin (x2)	A-8278-057-A	A-8278-057-A	A-8278-057-A and BTA-801	Optional mounting-accessory is not required when mounting on the camcorder handle*2.
DSR-PD150/150P	No	No	—	XLR 3-pin (x2)	—	—	—	Optional mounting-accessory is not required when mounting on the camcorder grip strap.
DSR-PDX10/PDX10P	No	No	Stereo mini jack (x1)	XLR 3-pin (x2)	—	—	—	Optional mounting-accessory is not required when mounting on the camcorder grip strap.

*1 The K-1334 BMP/XLR conversion cable is required to output audio to a camcorder.

*2 For mounting to the rear of a camcorder, optional mounting brackets are available.

Frequency Lists

A64 (USA type)

64-01	770.125	65-01	776.125
64-02	770.250	65-02	776.250
64-03	770.375	65-03	776.375
64-04	770.500	65-04	776.500
64-05	770.625	65-05	776.625
64-06	770.750	65-06	776.750
64-07	770.875	65-07	776.875
64-08	771.000	65-08	777.000
64-09	771.125	65-09	777.125
64-10	771.250	65-10	777.250
64-11	771.375	65-11	777.375
64-12	771.500	65-12	777.500
64-13	771.625	65-13	777.625
64-14	771.750	65-14	777.750
64-15	771.875	65-15	777.875
64-16	772.000	65-16	778.000
64-17	772.125	65-17	778.125
64-18	772.250	65-18	778.250
64-19	772.375	65-19	778.375
64-20	772.500	65-20	778.500
64-21	772.625	65-21	778.625
64-22	772.750	65-22	778.750
64-23	772.875	65-23	778.875
64-24	773.000	65-24	779.000
64-25	773.125	65-25	779.125
64-26	773.250	65-26	779.250
64-27	773.375	65-27	779.375
64-28	773.500	65-28	779.500
64-29	773.625	65-29	779.625
64-30	773.750	65-30	779.750
64-31	773.875	65-31	779.875
64-32	774.000	65-32	780.000
64-33	774.125	65-33	780.125
64-34	774.250	65-34	780.250
64-35	774.375	65-35	780.375
64-36	774.500	65-36	780.500
64-37	774.625	65-37	780.625
64-38	774.750	65-38	780.750
64-39	774.875	65-39	780.875
64-40	775.000	65-40	781.000
64-41	775.125	65-41	781.125
64-42	775.250	65-42	781.250
64-43	775.375	65-43	781.375
64-44	775.500	65-44	781.500
64-45	775.625	65-45	781.625
64-46	775.750	65-46	781.750
64-47	775.875	65-47	781.875

A66 (USA type)

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

A68 (USA type)

68-01	794.125	69-01	800.125
68-02	794.250	69-02	800.250
68-03	794.375	69-03	800.375
68-04	794.500	69-04	800.500
68-05	794.625	69-05	800.625
68-06	794.750	69-06	800.750
68-07	794.875	69-07	800.875
68-08	795.000	69-08	801.000
68-09	795.125	69-09	801.125
68-10	795.250	69-10	801.250
68-11	795.375	69-11	801.375
68-12	795.500	69-12	801.500
68-13	795.625	69-13	801.625
68-14	795.750	69-14	801.750
68-15	795.875	69-15	801.875
68-16	796.000	69-16	802.000
68-17	796.125	69-17	802.125
68-18	796.250	69-18	802.250
68-19	796.375	69-19	802.375
68-20	796.500	69-20	802.500
68-21	796.625	69-21	802.625
68-22	796.750	69-22	802.750
68-23	796.875	69-23	802.875
68-24	797.000	69-24	803.000
68-25	797.125	69-25	803.125
68-26	797.250	69-26	803.250
68-27	797.375	69-27	803.375
68-28	797.500	69-28	803.500
68-29	797.625	69-29	803.625
68-30	797.750	69-30	803.750
68-31	797.875	69-31	803.875
68-32	798.000	69-32	804.000
68-33	798.125	69-33	804.125
68-34	798.250	69-34	804.250
68-35	798.375	69-35	804.375
68-36	798.500	69-36	804.500
68-37	798.625	69-37	804.625
68-38	798.750	69-38	804.750
68-39	798.875	69-39	804.875
68-40	799.000	69-40	805.000
68-41	799.125	69-41	805.125
68-42	799.250	69-42	805.250
68-43	799.375	69-43	805.375
68-44	799.500	69-44	805.500
68-45	799.625	69-45	805.625
68-46	799.750	69-46	805.750
68-47	799.875	69-47	805.875

B62/64 (USA type)

62-01	758.125	63-01	764.125	64-01	770.125	65-01	776.125
62-02	758.250	63-02	764.250	64-02	770.250	65-02	776.250
62-03	758.375	63-03	764.375	64-03	770.375	65-03	776.375
62-04	758.500	63-04	764.500	64-04	770.500	65-04	776.500
62-05	758.625	63-05	764.625	64-05	770.625	65-05	776.625
62-06	758.750	63-06	764.750	64-06	770.750	65-06	776.750
62-07	758.875	63-07	764.875	64-07	770.875	65-07	776.875
62-08	759.000	63-08	765.000	64-08	771.000	65-08	777.000
62-09	759.125	63-09	765.125	64-09	771.125	65-09	777.125
62-10	759.250	63-10	765.250	64-10	771.250	65-10	777.250
62-11	759.375	63-11	765.375	64-11	771.375	65-11	777.375
62-12	759.500	63-12	765.500	64-12	771.500	65-12	777.500
62-13	759.625	63-13	765.625	64-13	771.625	65-13	777.625
62-14	759.750	63-14	765.750	64-14	771.750	65-14	777.750
62-15	759.875	63-15	765.875	64-15	771.875	65-15	777.875
62-16	760.000	63-16	766.000	64-16	772.000	65-16	778.000
62-17	760.125	63-17	766.125	64-17	772.125	65-17	778.125
62-18	760.250	63-18	766.250	64-18	772.250	65-18	778.250
62-19	760.375	63-19	766.375	64-19	772.375	65-19	778.375
62-20	760.500	63-20	766.500	64-20	772.500	65-20	778.500
62-21	760.625	63-21	766.625	64-21	772.625	65-21	778.625
62-22	760.750	63-22	766.750	64-22	772.750	65-22	778.750
62-23	760.875	63-23	766.875	64-23	772.875	65-23	778.875
62-24	761.000	63-24	767.000	64-24	773.000	65-24	779.000
62-25	761.125	63-25	767.125	64-25	773.125	65-25	779.125
62-26	761.250	63-26	767.250	64-26	773.250	65-26	779.250
62-27	761.375	63-27	767.375	64-27	773.375	65-27	779.375
62-28	761.500	63-28	767.500	64-28	773.500	65-28	779.500
62-29	761.625	63-29	767.625	64-29	773.625	65-29	779.625
62-30	761.750	63-30	767.750	64-30	773.750	65-30	779.750
62-31	761.875	63-31	767.875	64-31	773.875	65-31	779.875
62-32	762.000	63-32	768.000	64-32	774.000	65-32	780.000
62-33	762.125	63-33	768.125	64-33	774.125	65-33	780.125
62-34	762.250	63-34	768.250	64-34	774.250	65-34	780.250
62-35	762.375	63-35	768.375	64-35	774.375	65-35	780.375
62-36	762.500	63-36	768.500	64-36	774.500	65-36	780.500
62-37	762.625	63-37	768.625	64-37	774.625	65-37	780.625
62-38	762.750	63-38	768.750	64-38	774.750	65-38	780.750
62-39	762.875	63-39	768.875	64-39	774.875	65-39	780.875
62-40	763.000	63-40	769.000	64-40	775.000	65-40	781.000
62-41	763.125	63-41	769.125	64-41	775.125	65-41	781.125
62-42	763.250	63-42	769.250	64-42	775.250	65-42	781.250
62-43	763.375	63-43	769.375	64-43	775.375	65-43	781.375
62-44	763.500	63-44	769.500	64-44	775.500	65-44	781.500
62-45	763.625	63-45	769.625	64-45	775.625	65-45	781.625
62-46	763.750	63-46	769.750	64-46	775.750	65-46	781.750
62-47	763.875	63-47	769.875	64-47	775.875	65-47	781.875

B66/68 (USA type)

66-01	782.125	67-01	788.125	68-01	794.125	69-01	800.125
66-02	782.250	67-02	788.250	68-02	794.250	69-02	800.250
66-03	782.375	67-03	788.375	68-03	794.375	69-03	800.375
66-04	782.500	67-04	788.500	68-04	794.500	69-04	800.500
66-05	782.625	67-05	788.625	68-05	794.625	69-05	800.625
66-06	782.750	67-06	788.750	68-06	794.750	69-06	800.750
66-07	782.875	67-07	788.875	68-07	794.875	6	



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SONY

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