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.

Contents

Sony Wireless Microphone
Common Features  2
System Examples 3
Transmitters 5
• WRT-847B
• WRT-867A
• WRT-807B
• WRT-808A
• WRT-8B
• WRT-822B
• WRT-805B

Tuners  9
• WRR-862B
• WRR-855B
• WRR-861B
• WRR-805A
• MB-8N
• WRU-8N
• MB-806A
• WRU-806B
• WR-802A

Optional Accessories 13
• ECM-88 Series
• ECM-77 Series
• ECM-44 Series
• ECM-166 Series
• ECM-310 Series
• BTA-801
• CA-WR855
• A-8278-057-A
• EC-1.5CF
• K-1161
• K-1334
• K-1324

Peripheral Equipment 15
• SRP-X700P
• SRP-X351P

Feature Comparisons 7
Specifications 19
Appendix  21
• Multi-channel Simultaneous Operations
• Wireless Microphone Tuner and Camcorder Combinations
• Frequency Lists

Optional Accessories 13
• ECM-88 Series
• ECM-77 Series
• ECM-44 Series
• ECM-166 Series
• ECM-310 Series
• BTA-801
• CA-WR855
• A-8278-057-A
• EC-1.5CF
• K-1161
• K-1334
• K-1324

Peripheral Equipment 15
• SRP-X700P
• SRP-X351P

Feature Comparisons 7
Specifications 19
Appendix  21
• Multi-channel Simultaneous Operations
• Wireless Microphone Tuner and Camcorder Combinations
• Frequency Lists
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.

*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.

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.

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.

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.

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.

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.

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.

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.
System Examples

Live Music/Theater Productions

◆ 6-channel Simultaneous Operation

AN-820A
MB-806A/WRU-806

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

AN-820A
MB-8N/WRU-8N

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

* Lavaliere microphones are not supplied with transmitters.

◆ 42-channel Simultaneous Operation

AN-820A
WD-880A
MB-8N/WRU-8N

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

- Wired microphones
- AN-820A
- Wireless microphones
- SRP-X700P with WRU-806
- VTR
- DVD Player
- MD Player
- Speaker system

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/EFP/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

Sony Lithium-ion or Nickel Metal Hybrid battery pack

Mounting bracket (A-8278-057-A) Mounting plate (supplied with WRR-862B)
WRT-847B  UHF Synthesized Transmitter Unit

- 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: ø 51 x 90 mm (ø 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: ø 51 x 90 mm
  (ø 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: ø 51 x 98 mm
  (ø 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: ø 37 x 172 mm
  (ø 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: ø 44 x 105 mm
  (ø 1 3/4 x 4 1/4 inches)
- Mass: 170 g (6.0 oz)
- Supplied accessory: Urethane windscreen (1)
Transmitters

**WRT-867A** UHF Synthesized Wireless Microphone

- 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

- 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

- 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  
- 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  
- 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  
- 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

- 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 dBµ, 10 dBµ, 15 dBµ) 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

- 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

- 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 dBµ, 10 dBµ, 15 dBµ) 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

- 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.
• 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.

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 dBµ, 20 dBµ, 30 dBµ or OFF
• Space diversity reception for dependable RF reception

*This time may vary depending on the operational environment.
**Tuners**

**MB-806A Tuner Base Unit**

- 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**

- 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**

- 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)
**Distributors and Antenna**

**WD-820A UHF Antenna Divider**

- 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**

- 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 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 ±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 nose: 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 (1/16 inch)
- Cable length: 2.5 mm (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;
  - ECM-88PT; Offered without a connector (pigtail), so users can choose the connectors according to their transmitter

**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-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-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-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) ±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 bodpack 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 bodpack transmitter or as an audio cable plug for connection to the WRR-805A portable tuner
• 3-pole mini plug with a lock mechanism
Peripheral Equipment

SRP-X700P  Powered Mixer

- 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

- 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)

- 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
# Feature Comparisons

## Handheld Microphones

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

## Bodypack/Plug-in Transmitters

<table>
<thead>
<tr>
<th></th>
<th>WRT-88B</th>
<th>WRT-822B</th>
<th>WRT-805B</th>
<th>WRT-808A</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHF, PLL Synthesized System</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Operating frequency band</td>
<td>24 MHz band</td>
<td>24 MHz band</td>
<td>24 MHz band</td>
<td>12 MHz band</td>
</tr>
<tr>
<td>Tone Signal</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Compressor System (Compressor)</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Audio-attenuator Levels</td>
<td>0 dB to 40 dB, continuous</td>
<td>0 dB to 21 dB (in 3 dB steps)</td>
<td>0 dB to 21 dB (in 3 dB steps)</td>
<td>0 dB to 50 dB, continuous</td>
</tr>
<tr>
<td>Antenna</td>
<td>1/4 wavelength whip antenna (removable)</td>
<td>1/4 wavelength whip antenna</td>
<td>1/4 wavelength wire antenna</td>
<td>Built-in antenna</td>
</tr>
<tr>
<td>RF Power Output</td>
<td>50 mW or 10 mW</td>
<td>10 mW with WRT-822B 20 mW with WRT-822B</td>
<td>10 mW</td>
<td>50 mW or 10 mW</td>
</tr>
<tr>
<td>LCD Panel</td>
<td>Channel number, Frequency in MHz, Audio input status, RF output status, Attenuator level, Battery reserve, Accumulated operating time</td>
<td>Channel number, Frequency in MHz, Audio input status, RF output level setting, Attenuator level, Battery reserve, Accumulated operating time</td>
<td>Channel number, Frequency in MHz, Audio input status, RF output status, Attenuator level, Battery reserve, Accumulated operating time</td>
<td>—</td>
</tr>
<tr>
<td>LED Indicators</td>
<td>Audio input level (peak level)</td>
<td>—</td>
<td>—</td>
<td>Battery reserve, Audio input level (reference level or peak level)</td>
</tr>
<tr>
<td>Transmission of Battery Status</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Audio Input Connectors</td>
<td>Sony 4-pin (SMC9-4S)</td>
<td>Sony 4-pin (SMC9-4S)</td>
<td>3.5 mm dia, 3-pole mini jack with lock mechanism</td>
<td>XLR 3-pin</td>
</tr>
<tr>
<td>Battery Life</td>
<td>13 hours at 10 mW output</td>
<td>6 hours with WRT-822B</td>
<td>6 hours</td>
<td>4 hours</td>
</tr>
<tr>
<td>Channel Setting Back-up</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Supplied accessories</td>
<td>Leatherette case (1), Operating Instructions (1)</td>
<td>Operating Instructions (1)</td>
<td>Soft case (1), Operating instructions (1)</td>
<td>Soft case (1), Operating instructions (1)</td>
</tr>
</tbody>
</table>
### Portable Tuners

<table>
<thead>
<tr>
<th></th>
<th>WRR-862B</th>
<th>WRR-855B</th>
<th>WRR-861B</th>
<th>WRR-805A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UHF, PLL Synthesized System</strong></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
</tr>
<tr>
<td><strong>Operating Frequency Band</strong></td>
<td>24 MHz band</td>
<td>24 MHz band</td>
<td>24 MHz band</td>
<td>14 MHz band</td>
</tr>
<tr>
<td><strong>Space Diversity Reception System</strong></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td><strong>Pre-programmed Frequency Groups</strong></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td><strong>Advanced Filtering (SAW filters)</strong></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
</tr>
<tr>
<td><strong>Tone Squelch Circuitry</strong></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
</tr>
<tr>
<td><strong>Compasser System (expander)</strong></td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
</tr>
<tr>
<td><strong>RF Squelch Levels</strong></td>
<td>5 dBµ, 10 dBµ, 15 dBµ or OFF</td>
<td>10 dBµ or OFF</td>
<td>5 dBµ, 10 dBµ, 15 dBµ or OFF</td>
<td>15 dBµ</td>
</tr>
<tr>
<td><strong>LED Panel</strong></td>
<td>Channel number, Frequency in MHz, RF input level, Audio output status, Tuner battery reserve, Accumulated operating time</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>LED Indicators</strong></td>
<td>RF input level, Diversy reception status, Transmitter battery alarm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Remote Battery Alarm of Transmitters</strong></td>
<td>●</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Audio Output Connectors</strong></td>
<td>Sony 4-pin (SMC9-4S)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Battery Life</strong></td>
<td>5 hours</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Channel Setting Back-up</strong></td>
<td>●</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Supplied accessories</strong></td>
<td>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)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>The WRR-855B receives power from a camcorder via the D-sub 15-pin connector.</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Tuners

<table>
<thead>
<tr>
<th></th>
<th>MB-8N with MB-806A with WRR-802A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UHF, PLL Synthesized System</strong></td>
<td>●</td>
</tr>
<tr>
<td><strong>Operating Frequency Band</strong></td>
<td>24 MHz band</td>
</tr>
<tr>
<td><strong>Space Diversity Reception System</strong></td>
<td>●</td>
</tr>
<tr>
<td><strong>Pre-programmed Frequency Groups</strong></td>
<td>●</td>
</tr>
<tr>
<td><strong>Advanced Filtering (SAW filters)</strong></td>
<td>●</td>
</tr>
<tr>
<td><strong>Tone Squelch Circuitry</strong></td>
<td>●</td>
</tr>
<tr>
<td><strong>Compasser System (expander)</strong></td>
<td>●</td>
</tr>
<tr>
<td><strong>RF Squelch Levels</strong></td>
<td>10 dBµ, 20 dBµ, 30 dBµ or OFF</td>
</tr>
<tr>
<td><strong>LED Panel</strong></td>
<td>MB-8N: Channel number, Frequency in MHz, RF input level, Audio output status, Audio output status, Transmitter battery reserve</td>
</tr>
<tr>
<td><strong>LED Indicators</strong></td>
<td>WRU-806B: Channel number, Frequency in MHz, RF input level, Audio output status, Transmitter battery reserve</td>
</tr>
<tr>
<td><strong>Remote Battery Alarm of Transmitters</strong></td>
<td>●</td>
</tr>
<tr>
<td><strong>Audio Output Connectors</strong></td>
<td>XLR 3-pin type (main) and D-sub 15-pin, female (sub)</td>
</tr>
<tr>
<td><strong>Computer-based Control</strong></td>
<td>●</td>
</tr>
<tr>
<td><strong>Channel Setting Back-up</strong></td>
<td>●</td>
</tr>
<tr>
<td><strong>Supplied accessories</strong></td>
<td>MB-8N: AC power cord (1), CD-ROM containing operating instructions and MB-8N supplied software (1)</td>
</tr>
</tbody>
</table>
### Antenna Dividers

#### WD-820A

<table>
<thead>
<tr>
<th>Frequency range:</th>
<th>758 MHz to 806 MHz (USA type)</th>
<th>758 MHz to 806 MHz (USA type)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channel Distribution:</td>
<td>Inputs: 2 pairs Outputs: 4 pairs</td>
<td>Inputs: 1 pair Outputs: 6 pairs (for 6 TV channels)</td>
</tr>
<tr>
<td>Input/output impedance:</td>
<td>50 Ω</td>
<td>50 Ω</td>
</tr>
<tr>
<td>Cascade output:</td>
<td>1 pair</td>
<td>1 pair</td>
</tr>
<tr>
<td>Power supply for Antenna booster:</td>
<td>DC 9V</td>
<td>DC 12V/9V OFF switchable</td>
</tr>
<tr>
<td>Power consumption:</td>
<td>6W outlet 30W (max.)</td>
<td>10W</td>
</tr>
<tr>
<td>Dimensions (W x H x L):</td>
<td>48 x 4 x 140mm (1 5/8 x 3/16 x 5 1/2 inches)</td>
<td>48 x 4 x 140mm (1 5/8 x 3/16 x 5 1/2 inches)</td>
</tr>
<tr>
<td>Mass:</td>
<td>Approx. 48g (1.7 oz)</td>
<td>Approx. 48g (1.7 oz)</td>
</tr>
<tr>
<td>Supplied accessories:</td>
<td>AC power cord (1)</td>
<td>AC power cord (1)</td>
</tr>
</tbody>
</table>

#### WD-820A

<table>
<thead>
<tr>
<th>Frequency range:</th>
<th>758 MHz to 806 MHz (USA type)</th>
<th>758 MHz to 806 MHz (USA type)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channel Distribution:</td>
<td>Inputs: 2 pairs Outputs: 4 pairs</td>
<td>Inputs: 1 pair Outputs: 6 pairs (for 6 TV channels)</td>
</tr>
<tr>
<td>Input/output impedance:</td>
<td>50 Ω</td>
<td>50 Ω</td>
</tr>
<tr>
<td>Cascade output:</td>
<td>1 pair</td>
<td>1 pair</td>
</tr>
<tr>
<td>Power supply for Antenna booster:</td>
<td>DC 9V</td>
<td>DC 12V/9V OFF switchable</td>
</tr>
<tr>
<td>Power consumption:</td>
<td>6W outlet 30W (max.)</td>
<td>10W</td>
</tr>
<tr>
<td>Dimensions (W x H x L):</td>
<td>48 x 4 x 140mm (1 5/8 x 3/16 x 5 1/2 inches)</td>
<td>48 x 4 x 140mm (1 5/8 x 3/16 x 5 1/2 inches)</td>
</tr>
<tr>
<td>Mass:</td>
<td>Approx. 48g (1.7 oz)</td>
<td>Approx. 48g (1.7 oz)</td>
</tr>
<tr>
<td>Supplied accessories:</td>
<td>AC power cord (1)</td>
<td>AC power cord (1)</td>
</tr>
</tbody>
</table>
### Portable Tuners

<table>
<thead>
<tr>
<th>WRR-802B</th>
<th>WRR-855B</th>
<th>WRR-861B</th>
<th>WRR-805A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Receiving channels</strong></td>
<td>2 channels</td>
<td>1 channel</td>
<td>1 channel</td>
</tr>
<tr>
<td><strong>Receiving frequency range</strong></td>
<td>2 frequencies within 758 MHz to 782 MHz (U65/66)</td>
<td>758 MHz to 782 MHz (U62/64)</td>
<td>758 MHz to 782 MHz (U62/64)</td>
</tr>
<tr>
<td><strong>Local Oscillators</strong></td>
<td>1st: PLL synthesizer, 2nd: Crystal oscillator</td>
<td>1st: PLL synthesizer, 2nd: Crystal oscillator</td>
<td>1st: PLL synthesizer, 2nd: Crystal oscillator</td>
</tr>
<tr>
<td><strong>Reference deviation</strong></td>
<td>±50 kHz deviation at 1 kHz modulation (Maximum deviation: ±40 kHz deviation at 1 kHz modulation)</td>
<td>±50 kHz deviation at 1 kHz modulation (Maximum deviation: ±40 kHz deviation at 1 kHz modulation)</td>
<td>±50 kHz deviation at 1 kHz modulation (Maximum deviation: ±40 kHz deviation at 1 kHz modulation)</td>
</tr>
<tr>
<td><strong>Selectivity</strong></td>
<td>70 dB or more at ±50 kHz</td>
<td>70 dB or more at ±50 kHz</td>
<td>70 dB or more at ±50 kHz</td>
</tr>
<tr>
<td><strong>Spurious rejection</strong></td>
<td>70 dB or more</td>
<td>70 dB or more</td>
<td>70 dB or more</td>
</tr>
<tr>
<td><strong>Frequency range</strong></td>
<td>40 Hz to 18 kHz (typical)</td>
<td>40 Hz to 18 kHz (typical)</td>
<td>40 Hz to 18 kHz (typical)</td>
</tr>
<tr>
<td><strong>Signal-to-noise ratio</strong></td>
<td>60 dB or more at 60 dB RF input at reference deviation, A-weighted</td>
<td>60 dB or more at 60 dB RF input at reference deviation, A-weighted</td>
<td>60 dB or more at 60 dB RF input at reference deviation, A-weighted</td>
</tr>
<tr>
<td><strong>RF muting (quench) level</strong></td>
<td>5 dB or more</td>
<td>10 dB or more</td>
<td>15 dB or more</td>
</tr>
<tr>
<td><strong>Audio output level</strong></td>
<td>56 dBm at reference deviation</td>
<td>56 dBm at reference deviation</td>
<td>56 dBm at reference deviation</td>
</tr>
<tr>
<td><strong>Antenna connector</strong></td>
<td>BNC-M type (2), 50 Ω (nominal)</td>
<td>BNC-M type (2), 50 Ω (nominal)</td>
<td>BNC-M type (2), 50 Ω (nominal)</td>
</tr>
<tr>
<td><strong>Monitor output connector</strong></td>
<td>3.5 mm dia. mini jack (1), 5 MΩ, Tuner 1/2/Mixed selectable</td>
<td>3.5 mm dia. mini jack (1), 5 MΩ, Tuner 1/2/Mixed selectable</td>
<td>3.5 mm dia. mini jack (1), 5 MΩ, Tuner 1/2/Mixed selectable</td>
</tr>
<tr>
<td><strong>Supply and internal voltage</strong></td>
<td>Batteries: DC 6 V (four LR6 A-size alkaline batteries)</td>
<td>External: DC 12 V</td>
<td>Batteries: DC 3 V (two LR6 A-size alkaline batteries)</td>
</tr>
<tr>
<td><strong>Current (power) consumption</strong></td>
<td>approx. 200 mA at DC 6 V</td>
<td>approx. 85 mA at DC 12 V</td>
<td>approx. 135 mA at DC 12 V</td>
</tr>
<tr>
<td><strong>Dimensions (W x H x D)</strong></td>
<td>89.0 x 120.0 x 29.5 mm</td>
<td>89.0 x 120.0 x 29.5 mm</td>
<td>79.4 x 120.0 x 29.5 mm</td>
</tr>
</tbody>
</table>

### Tuners

<table>
<thead>
<tr>
<th>MD-9N</th>
<th>MB-806A</th>
<th>WRU-8N</th>
<th>WRU-806B</th>
<th>WR-802A</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Receiving channels</strong></td>
<td>4 channels when accommodating 4 WRU-8N tuner modules</td>
<td>6 channels when accommodating 6 WRU-806A tuner modules</td>
<td>1 channel</td>
<td>1 channel</td>
</tr>
<tr>
<td><strong>Receiving frequency range</strong></td>
<td>758 MHz to 806 MHz (USA type)</td>
<td>758 MHz to 806 MHz (USA type)</td>
<td>758 MHz to 806 MHz (U62/64)</td>
<td>770 MHz to 794 MHz (U66)</td>
</tr>
<tr>
<td><strong>Local Oscillators</strong></td>
<td>PLL synthesizer</td>
<td>PLL synthesizer</td>
<td>PLL synthesizer</td>
<td>PLL synthesizer</td>
</tr>
<tr>
<td><strong>De-emphasis</strong></td>
<td>50 µs</td>
<td>50 µs</td>
<td>50 µs</td>
<td>50 µs</td>
</tr>
<tr>
<td><strong>Reference deviation</strong></td>
<td>±50 kHz deviation at 1 kHz modulation (Maximum deviation: ±40 kHz deviation at 1 kHz modulation)</td>
<td>±50 kHz deviation at 1 kHz modulation (Maximum deviation: ±40 kHz deviation at 1 kHz modulation)</td>
<td>±50 kHz deviation at 1 kHz modulation (Maximum deviation: ±40 kHz deviation at 1 kHz modulation)</td>
<td>±50 kHz deviation at 1 kHz modulation (Maximum deviation: ±40 kHz deviation at 1 kHz modulation)</td>
</tr>
<tr>
<td><strong>Selectivity</strong></td>
<td>70 dB or more at ±50 kHz</td>
<td>70 dB or more at ±50 kHz</td>
<td>70 dB or more at ±50 kHz</td>
<td>70 dB or more at ±50 kHz</td>
</tr>
<tr>
<td><strong>Frequency range</strong></td>
<td>60 dB or more at ±50 kHz</td>
<td>60 dB or more at ±50 kHz</td>
<td>60 dB or more at ±50 kHz</td>
<td>60 dB or more at ±50 kHz</td>
</tr>
<tr>
<td><strong>Signal-to-noise ratio</strong></td>
<td>60 dB or more at ±50 kHz</td>
<td>60 dB or more at ±50 kHz</td>
<td>60 dB or more at ±50 kHz</td>
<td>60 dB or more at ±50 kHz</td>
</tr>
<tr>
<td><strong>RF muting (quench) level</strong></td>
<td>5 dB or more</td>
<td>10 dB or more</td>
<td>15 dB or more</td>
<td>15 dB or more</td>
</tr>
<tr>
<td><strong>Audio output level</strong></td>
<td>-20 dBm via TRS phone</td>
<td>-20 dBm via TRS phone</td>
<td>-20 dBm via TRS phone</td>
<td>-20 dBm via TRS phone</td>
</tr>
<tr>
<td><strong>Antenna connector</strong></td>
<td>XLR-3-32 type (2), balanced</td>
<td>XLR-3-32 type (2), balanced</td>
<td>XLR-3-32 type (2), balanced</td>
<td>XLR-3-32 type (2), balanced</td>
</tr>
<tr>
<td><strong>Supply and internal voltage</strong></td>
<td>Batteries: DC 6 V (four LR6 A-size alkaline batteries)</td>
<td>External: DC 6 V (four LR6 A-size alkaline batteries)</td>
<td>Batteries: DC 6 V (four LR6 A-size alkaline batteries)</td>
<td>Batteries: DC 6 V (four LR6 A-size alkaline batteries)</td>
</tr>
<tr>
<td><strong>Current (power) consumption</strong></td>
<td>approx. 200 mA at DC 6 V</td>
<td>approx. 85 mA at DC 12 V</td>
<td>approx. 135 mA at DC 12 V</td>
<td>approx. 135 mA at DC 12 V</td>
</tr>
<tr>
<td><strong>Dimensions (W x H x D)</strong></td>
<td>228 x 42 x 213 (nominal)</td>
<td>205 x 42 x 203 (nominal)</td>
<td>205 x 42 x 203 (nominal)</td>
<td>205 x 42 x 203 (nominal)</td>
</tr>
</tbody>
</table>

### Notes
- 1 dBµ = 1 µVEMF
- 1 dBu = 0.775 Vrms
- 0 dBV = 1 Vrms
- 0 dB SPL = 20 µPa
- 1 dBµ = 1.8 mV load
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.

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

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

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

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;

<table>
<thead>
<tr>
<th>770 MHz</th>
<th>782 MHz</th>
<th>794 MHz</th>
<th>806 MHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV channel 66</td>
<td>TV channel 67</td>
<td>TV channel 64</td>
<td>TV channel 68</td>
</tr>
</tbody>
</table>

(12 MHz band) (12 MHz band) (12 MHz band)

- When both two TV channels are available, up to 11-channel simultaneous operation is available.
- When one TV channel is available, up to 8-channel simultaneous operation is possible.

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;

<table>
<thead>
<tr>
<th>TV channel 64</th>
<th>TV channel 65</th>
<th>TV channel 68</th>
<th>TV channel 69</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV</td>
<td>TV channel 65</td>
<td>TV</td>
<td>TV channel 69</td>
</tr>
</tbody>
</table>

- When all four channels are available, up to 16-channel simultaneous operation is possible.
- When either all even or all odd TV channels are available, up to 11-channel simultaneous operation is possible.

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;

<table>
<thead>
<tr>
<th>TV channel 64</th>
<th>TV channel 65</th>
<th>TV channel 66</th>
<th>TV channel 67</th>
<th>TV channel 68</th>
<th>TV channel 69</th>
</tr>
</thead>
<tbody>
<tr>
<td>TV</td>
<td>TV channel 65</td>
<td>TV</td>
<td>TV channel 67</td>
<td>TV</td>
<td>TV channel 69</td>
</tr>
</tbody>
</table>

- When all eight TV channels are available, up to 19-channel simultaneous operation is possible.
- When either all even or all odd TV channels are available, up to 13-channel simultaneous operation is possible.
<table>
<thead>
<tr>
<th>Camcorder/Tuner Interfaces</th>
<th>Optional Accessories Required for Mounting Tuners</th>
</tr>
</thead>
<tbody>
<tr>
<td>Built-in Wireless Slot</td>
<td>DC Output for Wireless Tuner</td>
</tr>
<tr>
<td>HDCAM Camcorders</td>
<td></td>
</tr>
<tr>
<td>HDW-F900</td>
<td>No</td>
</tr>
<tr>
<td>HDW-750/750P HDW-730</td>
<td>Yes</td>
</tr>
<tr>
<td>Digital Betacam Camcorders</td>
<td></td>
</tr>
<tr>
<td>DVW-790WS/790WSP DVW-709WS/709WSP DVW-707/707P</td>
<td>No</td>
</tr>
<tr>
<td>MPEG IMX Camcorder</td>
<td></td>
</tr>
<tr>
<td>MSW-900/900P</td>
<td>Yes</td>
</tr>
<tr>
<td>Betacam SX Camcorders</td>
<td></td>
</tr>
<tr>
<td>DNW-7/7P DNW-9WS/9WSP DNW-90/90P DNW-90WS/90WSP</td>
<td>Yes</td>
</tr>
<tr>
<td>DVCAM Camcorders</td>
<td></td>
</tr>
<tr>
<td>DSR-570WS/570WSP DSR-370/370P</td>
<td>No</td>
</tr>
<tr>
<td>DSR-250/250P</td>
<td>No</td>
</tr>
<tr>
<td>DSR-PD150/150P</td>
<td>No</td>
</tr>
<tr>
<td>DSR-PDX10/PDX10P</td>
<td>No</td>
</tr>
</tbody>
</table>

*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.
<table>
<thead>
<tr>
<th>Frequency Lists</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A64 (USA type)</strong></td>
</tr>
<tr>
<td>64-01 770.125</td>
</tr>
<tr>
<td>64-02 770.250</td>
</tr>
<tr>
<td>64-03 770.500</td>
</tr>
<tr>
<td>64-05 770.625</td>
</tr>
<tr>
<td>64-07 770.875</td>
</tr>
<tr>
<td>64-09 771.250</td>
</tr>
<tr>
<td>64-11 771.375</td>
</tr>
<tr>
<td>64-12 771.500</td>
</tr>
<tr>
<td>64-14 771.750</td>
</tr>
<tr>
<td>64-16 772.000</td>
</tr>
<tr>
<td>64-17 772.125</td>
</tr>
<tr>
<td>64-18 772.250</td>
</tr>
<tr>
<td>64-19 772.500</td>
</tr>
<tr>
<td>64-20 772.625</td>
</tr>
<tr>
<td>64-21 772.875</td>
</tr>
<tr>
<td>64-25 773.125</td>
</tr>
<tr>
<td>64-26 773.250</td>
</tr>
<tr>
<td>64-27 773.500</td>
</tr>
<tr>
<td>64-28 773.750</td>
</tr>
<tr>
<td>64-30 774.000</td>
</tr>
<tr>
<td>64-31 774.375</td>
</tr>
<tr>
<td>64-34 774.625</td>
</tr>
<tr>
<td>64-35 774.875</td>
</tr>
<tr>
<td>64-39 775.625</td>
</tr>
<tr>
<td>64-40 775.875</td>
</tr>
<tr>
<td>64-44 776.375</td>
</tr>
<tr>
<td>64-45 776.500</td>
</tr>
<tr>
<td>64-46 776.625</td>
</tr>
<tr>
<td>64-47 776.875</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>B66/68 (USA type)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>66-01 782.125</td>
</tr>
<tr>
<td>66-02 782.250</td>
</tr>
<tr>
<td>66-03 782.375</td>
</tr>
<tr>
<td>66-04 782.500</td>
</tr>
<tr>
<td>66-05 782.625</td>
</tr>
<tr>
<td>66-06 782.750</td>
</tr>
<tr>
<td>66-07 782.875</td>
</tr>
<tr>
<td>66-09 783.250</td>
</tr>
<tr>
<td>66-11 783.375</td>
</tr>
<tr>
<td>66-12 783.500</td>
</tr>
<tr>
<td>66-14 783.750</td>
</tr>
<tr>
<td>66-16 784.000</td>
</tr>
<tr>
<td>66-17 784.125</td>
</tr>
<tr>
<td>66-18 784.250</td>
</tr>
<tr>
<td>66-19 784.500</td>
</tr>
<tr>
<td>66-20 784.625</td>
</tr>
<tr>
<td>66-21 784.875</td>
</tr>
<tr>
<td>66-25 785.125</td>
</tr>
<tr>
<td>66-26 785.250</td>
</tr>
<tr>
<td>66-27 785.500</td>
</tr>
<tr>
<td>66-30 786.000</td>
</tr>
<tr>
<td>66-31 786.375</td>
</tr>
<tr>
<td>66-34 786.625</td>
</tr>
<tr>
<td>66-35 786.875</td>
</tr>
<tr>
<td>66-39 787.625</td>
</tr>
<tr>
<td>66-40 787.875</td>
</tr>
<tr>
<td>66-44 788.375</td>
</tr>
<tr>
<td>66-45 788.500</td>
</tr>
<tr>
<td>66-46 788.625</td>
</tr>
<tr>
<td>66-47 788.875</td>
</tr>
</tbody>
</table>

24