SONY

Digital Wireless Transmitter

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

DWT-B01

F

WARNING

Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

For the customers in the U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver isconnected.
- Consult the dealer or an experienced radio/TV technician for help.

All interface cables used to connect peripherals must be shielded in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

If you have any questions about this product, you may call;
Sony Customer Information Service Center
1-800-222-7669 or
http://www.sony.com/

Declaration of Conformity
Trade Name: SONY
Model: **DWT-B01(F)**
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone Number: 858-942-2230

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice for customers in the U.S.A.

Use of Sony wireless devices is regulated by the Federal Communications Commision as described in Part 74 subpart H of the FCC regulations and users authorized thereby are required to obtain an appropriate license.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted,
Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate this device.

This device complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This device has very low levels of RF energy that it is deemed to comply without testing of specific absorption radio (SAR)

For customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

For the customers in Canada

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.

This device has been designed to operate with an antenna having a maximum gain of 0 dB.
Antenna having a higher gain is strictly prohibited per regulations of Industry Canada.
The required antenna impedance is 50 ohms.

Notice for customers in Canada:

Use of Sony wireless devices is regulated by the Industry Canada as described in their Radio Standard Specification RSS-123.
A licence is normally required. The local district office of Industry Canada should therefore be contacted. When the operation of the device is within the broadcast band, the licence is issued on no-interference, noprotection basis with respect to broadcast signals.

For the customers in Europe

If the transmitter develops an abnormally high temperature, a burning odor or smoke during use, remove the battery holder and stop using the transmitter immediately.

Take care not to burn your fingers when removing the battery holder as the batteries may be very hot at this time.

This model has an RF module of the FCC/IC approval built-in.

BUILT IN MODULE RM-215

FCC ID: AK8RM215
IC: 409B-RM215

For the customers in the U.S.A.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Specifications

Transmitting section

Oscillator type
Crystal-controlled PLL synthesizer
Carrier frequencies
US models:
470.125 to 697.875 MHz
U1424 : 470.125 to 541.875 MHz
U3040 : 566.125 to 607.875 MHz
614.125 to 637.875 MHz
U4250 : 638.125 to 697.875 MHz

European model:
CE6267: 798 to 822 MHz (TV-62 to TV-64 channels);
838 to 862 MHz (TV-67 to TV-69 channels)
Channel step
US models:
125 kHz
European model:
CE6267: 25 kHz
RF power output
1 mW/10 mW/50 mW (e.r.p) selectable
Antenna type
λ/4 flexible wire
Occupied RF bandwidth
192 kHz or less
Audio delay
1.5 ms
Transmission frequency stability level
±6.5 ppm
Type of emission
G1E or G1D
Modulation method
π/4 Shift QPSK

Audio section

Maximum input level

MIC: –22 dBu (with 0 dB attenuator)
LINE: +24 dBu

Audio attenuator adjustment range (pad)
0 to 48 dB (3dB steps, MIC input mode only)

Microphone input connector
Sony 4-pin (SMC9-4S) (female)

Input impedance
4.7 kohms or more

Frequency response
20 Hz to 22 kHz

T.H.D 0.03% or less

Dynamic range
106 dB or more

0 dBu = 0.775 V

General

Operating voltage
3 V DC, with two LR6 (AA) alkaline batteries

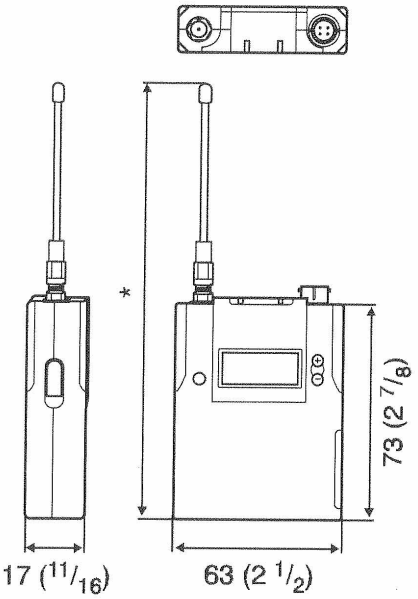
Battery life
Continuous operating time
3.5 hours (at 25 °C (77 °F), 10-mW output using Sony LR6 (AA)-size alkaline batteries with the wireless remote control function off and the display set to AUTO OFF)

Operating temperature
0 to 50 °C (32 to 122 °F)

Storage temperature
–20 to +60 °C (–4 to +140 °F)

Wireless remote control
2.4-GHz 1EEE802.15.4 compliant

Dimensions (unit: mm (inches))



* CE6267 model: 169 (6 3/4)
3040U model: 206 (8 1/8)
4250U model: 188 (7 1/2)

Mass Approx. 125 g (4 oz) including batteries

Supplied accessories
Spare battery case (1)
Soft case (1)
Microphone cable (4-pin to XLR-type 3-pin) (1)
USB adapter cable (1)
USB cable (1)
Carrying case (1)
Scribble sheet (1)
Operating Instructions (1)
CD-ROM (1)

Optional accessories
ECM-77BC/9X lavalier microphones

Design and specifications are subject to change without notice.

SONY

Digital Wireless Transmitter

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

DWT-P01

F

WARNING

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All interface cables used to connect peripherals must be shielded in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

For the customers in the U.S.A.

If you have any questions about this product, you may call;
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1-800-222-7669 or http://www.sony.com/

Declaration of Conformity
Trade Name: SONY
Model: **DWT-P01(F)**
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone Number: 858-942-2230

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- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For the customers in Canada

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The term "IC:" before the radio certification number only signifies that Industry Canada technical specifications were met.

Use of Sony wireless devices is regulated by the Industry Canada as described in their Radio Standard Specification RSS-123. A licence is normally required. The local district office of Industry Canada should therefore be contacted. When the operation of the device is within the broadcast band, the licence is issued on no-interference, no-protection basis with respect to broadcast signals.

This Class B digital apparatus complies with Canadian ICES-003.

This model has an RF module of the FCC/IC approval built-in.

BUILT IN MODULE RM-215

FCC ID: AK8RM215
IC: 409B-RM215

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Specifications

Transmitting section

Oscillator type
Crystal-controlled PLL synthesizer
Carrier frequencies
US models:
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U3040 : 566.125 to 607.875 MHz
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European model:
CE6267: 798 to 822 MHz (TV-62 to TV-64 channels); 838 to 862 MHz (TV-67 to TV-69 channels)
Channel step
US models:
125 kHz
European model:
CE6267: 25 kHz
RF power output
1 mW/10 mW/50 mW (e.r.p) selectable
Occupied RF bandwidth
192 kHz or less
Audio delay
1.5 ms
Transmission frequency stability level
±6.5 ppm
Type of emission
G1E or G1D
Modulation method
π/4 Shift QPSK

Audio section

Maximum input level
MIC: –22 dBu (with 0 dB attenuator)
LINE: +24 dBu

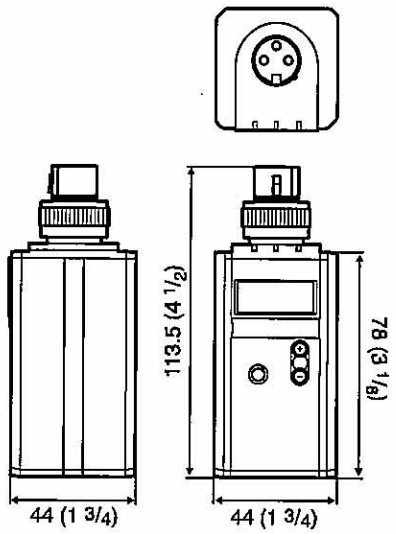
Audio attenuator adjustment range (pad)
0 to 48 dB (3-dB steps, MIC input mode only)
Microphone input connector
XLR-3-11C (female)
Input impedance
4.7 kohms or more
Frequency response
20 Hz to 22 kHz
T.H.D 0.03% or less

0 dBu = 0.775 V

General

Operating voltage
3 V DC, with two LR6 (AA) alkaline batteries
Battery life
Continuous operating time
3.5 hours (at 25 °C (77 °F), 10-mW output using Sony LR6 (AA)-size alkaline batteries with the wireless remote control function off, DIMMER MODE set to AUTO OFF, and +48V set to OFF)
Operating temperature
0 to 50 °C (32 to 122 °F)
Storage temperature
–20 to +60 °C (–4 to +140 °F)
Wireless remote control
2.4-GHz 1EEE802.15.4 compliant

Dimensions (unit: mm (inches))



Mass Approx. 245 g (9 oz) including batteries
Supplied accessories
Spare battery case (1)
Soft case (1)
USB adapter cable (1)
USB cable (1)
Operating Instructions (1)
CD-ROM (1)
Optional accessories
Electret Condenser Microphones
ECM-673/9X
ECM-674/9X
ECM-678/9X

Design and specifications are subject to change without notice.

SONY

Digital Wireless Receiver

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

DWR-S01D

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For the customers in the U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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If you have any questions about this product, you may call;
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Declaration of Conformity
Trade Name: SONY
Model: **DWR-S01D(F)**
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo, San Diego, CA 92127 U.S.A.
Telephone Number: 858-942-2230

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For customers in Canada

This Class B digital apparatus complies with Canadian ICES-003.

For the customers in Canada

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The term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met.

This model has an RF module of the FCC/IC approval built-in.

BUILT IN MODULE RM-215

FCC ID: AK8RM215
IC: 409B-RM215

For the customers in the U.S.A.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Specifications

Tuner section

Type of reception
Space diversity
Circuit system
Double superheterodyne
Receiving frequency range*
US models:
470.125 to 697.875 MHz

Channel step
US models: 125 kHz

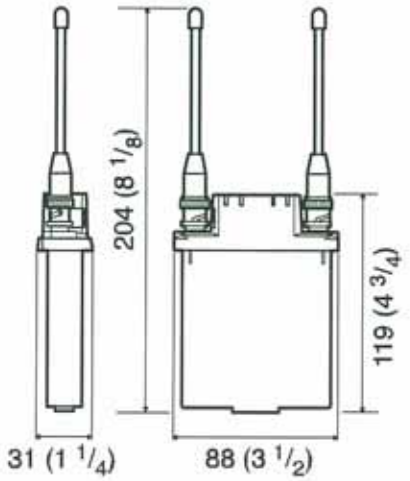
Local oscillators
Crystal-controlled PLL synthesizer
RF input terminal
BNC-R, 50 ohms
Sensitivity
20 dBμ or less (at bit error rate = 1 x 10^{-5}, no decline in S/N ratio)

Audio section

Audio output connector
D-sub 15 pin (male) (x1)
Reference output level
Analog: –40 dBu
Digital: –36 dBFS/–20 dBFS (switchable)
Dynamic range
106 dB or more (A-weighted)
T.H.D 0.03% or less (0 dBu = 0.775 Vrms)
Audio delay
2.1 ms (Analog output in combination with the DWA-01D)
1.9 ms (AES/EBU output in combination with the DWA-01D and through a digital connection with a camcorder)

General

Operating voltage
7 V DC
Consumption current
500 mA or less (at 7 V DC)
Operating temperature
0 to 50 °C (32 to 122 °F)
Storage temperature
–20 to +60 °C (–4 to +140 °F)
Wireless remote control
2.4-GHz 1EEE802.15.4 compliant
Dimensions (Unit: mm (inches))



Mass Approx. 280 g (10 oz) (including the supplied antennas)

Supplied accessories

- Antenna (2)
- USB adapter cable (1)
- USB cable (1)
- Operating Instructions (1)
- CD-ROM (1)
- Frequency band label (1)

- Design and specifications are subject to change without notice.

Note

Always verify that the unit is operating properly before use. SONY WILL NOT BE LIABLE FOR DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION OR REIMBURSEMENT ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS DUE TO FAILURE OF THIS UNIT, EITHER DURING THE WARRANTY PERIOD OR AFTER EXPIRATION OF THE WARRANTY, OR FOR ANY OTHER REASON WHATSOEVER.