



**MOBILE DUAL-CHANNEL UHF WIRELESS  
SYSTEM**

**AWM6601U  
OWNER'S MANUAL**

Thank you for purchasing the **Audio2000's®** mobile dual-channel UHF wireless microphone system! For the best results and the utmost satisfaction from your new unit, please read this manual thoroughly, and retain it for future reference. For more information, please visit our website ([www.audio2000s.com](http://www.audio2000s.com)).

## CONTENTS

Warning.....	1
Precautions.....	1
Package Contents .....	2
Features.....	2
System Configurations.....	2
Body-Pack Transmitter (AWX6601U) Function .....	3
Body-Pack Transmitter (AWX6601U) LCD Display and Operation .....	4
Handheld Transmitter (AWX6601UH) Function.....	6
Handheld Transmitter (AWX6601UH) LCD Display and Operation .....	7
Body-Pack Receiver (AWR6601U) Function.....	8
Body-Pack Receiver (AWR6601U) LCD Display and Operation.....	10
Camera Mounting Rack Installation .....	11
Operation Notes .....	13
Specifications.....	13
Troubleshooting.....	15
Service Information.....	16

## WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Dangerously high voltages are present inside the unit. Do not open the cabinet. Refer servicing to qualified personnel only.

## PRECAUTIONS

### On Safety

\* Operate only on designated AC power supply (120V AC in North America).

\* Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.

\* Unplug the unit from the wall outlet or set the Master switch to OFF if it is not to be used for several days.

\* To disconnect the cord, pull it out by the plug. Never pull the cord itself.

### On Installation

\* Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.

\* Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.

### On Repackaging

Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it as it was originally packed at the factory.

## SERVICE INFORMATION

### SHIPPING DAMAGE

If the shipping carton is found to be damaged, notify the delivery company immediately. Save the damaged carton as evidence for the delivery company to inspect. It is the responsibility of the shipper to file a claim with the delivery company for any damaged that occurs during shipping. In the case that the shipping carton is in good condition but the unit is damaged or defective, call H & F Technologies, incorporated, U.S.A. at 805-523-2759.

### WARRANTY PERIOD

For the period of one (1) year from date of original retail or online purchase for parts and 90 days for labor (the Warranty period) from an authorized Audio2000'S® dealer, H & F Technologies, incorporated, U.S.A., warrants that products distributed by H & F Technologies, Incorporated in the U.S.A. that fail to function properly under normal use due to manufacturing defect when installed and operated according to the owner's manual instructions enclosed with the unit will be repaired or replaced with a new or reconditioned product with comparable value, at the discretion of H & F Technologies, incorporated, without charge to you for parts or actual repair work. Parts supplied under this warranty may be new or rebuilt at the option of H & F Technologies, incorporated.

This Warranty period for retail or online customers commences upon the date of retail sale, online sale, or the time that the product is first put into use, whichever occurs first.

This warranty is valid for 90 days from the date of purchase on any product which is used in any trade or business, or in an industrial or commercial application.

### PRODUCT

This warranty covers the product during the warranty period with the proof of purchase only. In the event service is required, call H & F Technologies, Incorporated at 805-523-2759 for a Return Authorization number (RA number) and the product must be delivered within the Warranty period, transportation prepaid by the product owner from within the United States. You will be responsible for removal and installation of the product. H & F Technologies, Incorporated will pay for the standard shipping cost for returning the product to you within the continental United States for all necessary repairs or replacements which are covered by the warranty.

No liability will be accepted for damages or loss directly caused from the use of this product. H & F Technologies, Incorporated's liability shall be limited to the repairs or replacements of this product if found to be defective.

### WHAT'S NOT COVERED

- 1) Any damage to the products resulting from alteration, modifications not authorized in writing by H & F Technologies, Incorporated, misuse or abuse, neglect, accident, improper installation, damage due to lightning or due to power surges, subsequent damage from leaking, damaged or inoperative batteries or the use of batteries not conforming to those specified in the owner's manual instructions.
- 2) The cost of parts or labor, which would be otherwise provided without charge under this warranty, obtained from any source other than a H & F Technologies, Incorporated Authorized Service Company or other designated location. This warranty does not cover defects or damages caused by the use of unauthorized parts or labor, or from improper maintenance.
- 3) Normal wear and tear of this product, including but not limited to headset and lapel microphones, earphone ear cushions, microphone clip, microphone mesh grille.
- 4) Any product that has been used as a rental unit.

© H & F Technologies, Incorporated (website: [www.audio2000s.com](http://www.audio2000s.com))

## TROUBLESHOOTING

Should problems occur, they are, in many cases, due to simple operation mistakes or the like. On the basis of the following checks, you will be able to rectify a number of problems yourself without difficulty. If the problem cannot be remedied after the following checks, please consult your dealer.

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
No sound and no RF signal	The power of the transmitter is off.	Turn on the transmitter.
	Incorrect AA-battery polarity in the transmitter.	Correct the AA-battery polarity.
	Bad antenna connection.	Check the antenna connection.
	Transmitter too far away from the antenna or RF signal blocked.	Reposition the transmitter to closer area or remove the RF signal block.
No sound while RF and AF signals normal	Receiver volume turned to minimum	Adjust the volume control knob to have an optimal volume output.
	Receiver audio cable is missing or defective.	Connect, repair or replace the audio cables.
	Volume control of the sound system connected to the AWR6601U receiver is set to minimum.	Adjust the volume control on the sound system which is connected to the AWR6601U receiver.
No sound while RF signal is normal and AF signal does not exist.	The microphone cartridge of the transmitter is defective.	Return transmitter to factory or authorized service station for service.
	The mute function on the receiver was turned on.	Turn off the mute function on the receiver. If the mute function was not turned on, the SQ level on the receiver might be set too high.
Loud noise from receiver only when the transmitter is off.	Interference signal at that frequency	Reposition receiver or adjust the antenna orientation.
		Select another operating frequency.
	Receiver is placed too close to an interference source, such as a computer, digital device, or CD player.	Move the receiver to another location. Select another operating frequency.
Loud noise from receiver even when the transmitter is on.	Another transmitter is using the same frequency.	Turn off another transmitter or change to a channel with a different frequency.
	Interference signal at that frequency	Select another operating frequency.
	Receiver is placed too close to an interference source, such as a computer, digital device, or CD player.	Move the receiver to another location. Select another operating frequency.
Distorted sound	Low transmitter battery level	Replace transmitter battery
	The volume control on the receiver is set too high, overloading the subsequent sound device input.	Turn down the volume control on the AWR6601U receiver.
Short range or signal dropouts.	Low transmitter battery level.	Replace transmitter battery.
	Poor antenna reception.	Reposition antenna or receiver.
	Interference Signal	Select another operating frequency.
	Too many obstacles between the receiver and transmitter.	Move the obstacles or move the receiver away from nearby metal objects.
Momentary loss of sound when transmitter is moved around the performing area.	Radio frequency (RF) blind spots.	Reposition the receiver. If the momentary loss of sound problem cannot be removed, walk through the performing area and mark "Blind" spots. Avoid these "Blind" spots during performance.

## PACKAGE CONTENTS

Items	Quantities
<b>AWR6601U Receiver</b>	<b>1</b>
<b>Wireless Transmitters</b>	<b>2</b>
<b>Two Handhelds</b>	
<b>or</b>	
<b>Two Body Packs +</b>	
<b>Two Lavalier Microphones +</b>	
<b>Two Headset Microphones</b>	
<b>or</b>	
<b>One Handheld +</b>	
<b>One Body Pack +</b>	
<b>One Lavalier Microphone +</b>	
<b>One Headset Microphone</b>	
<b>Audio Cable (used with AWR6601U)</b>	<b>1</b>
<b>Camera Mounting Rack</b>	<b>1</b>
<b>AA Batteries</b>	<b>6</b>
<b>Owner's Manual</b>	<b>1</b>
<b>Earphones, ACC6601-98</b>	<b>Optional</b>

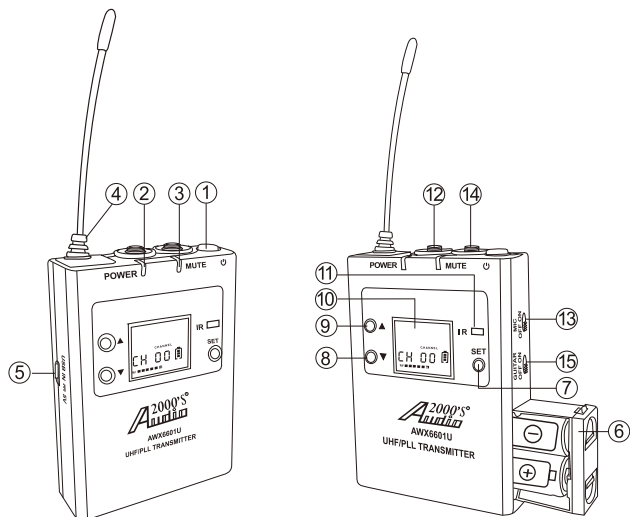
## FEATURES

1. UHF Band Frequencies
2. Mobile Dual-Channel Battery-Powered Wireless Microphone System
3. Agile Frequencies with PLL (Phase-Lock Loop) 80 Adjustable Frequencies
4. System Including Two Transmitters and One Receiver
5. One Guitar/Line Input and One Microphone Input on Each Transmitter
6. Individual Microphone On/Off Switch and Guitar On/Off Switch on Each Transmitter
7. Two Independent Volume Control Knobs (One for Each Channel) on Receiver
8. Two AF LED Indicators and Two RF LED Indicators on Receiver
9. One 3.5mm Stereo Output Jack on Receiver
10. Line / Phone Audio Output Selection Switch on Receiver
11. Mono / Stereo Audio Output Selection Switch on Receiver
12. Rechargeable USB Port on Transmitter and Receiver
13. LCD Display on Transmitter and Receiver
14. Rugged Mini Receiver Chassis
15. Rugged Mini Transmitter Chassis
16. Integrated Antenna for Effective RF Output and High Transmission Quality
17. Operating Range up to 100ft

## SYSTEM CONFIGURATIONS

- AWM6601U – Comprising one AWR6601U receiver and two AWX6601UH wireless handheld microphones
- AWM6601UL – Comprising one AWR6601U receiver, one AWX6601UH wireless handheld microphone, one AWX6601U wireless transmitter and one lavalier microphone
- AWM6601UM – Comprising one AWR6601U receiver, two AWX6601U wireless transmitters, two lavalier microphones

## BODY-PACK TRANSMITTER (AWX6601U) FUNCTION



- 1. POWER ON/OFF & MUTE BUTTON** --- This button is to be used as a power On/Off switch and as a mute switch. Press and hold this button to turn on or turn off the transmitter. When the power is on, press this button to turn on or turn off the MUTE function.
  - 2. POWER LED INDICATOR** --- This power LED indicator indicates that the transmitter power is on.
  - 3. MUTE LED INDICATOR** --- This Mute LED indicator indicates that the Mute function is on and the AF signal is not transmitted to the receiver. When the Mute function is on, the icon 'OFF.AF' will be shown on the LCD display. When the Mute function is off, the icon 'ON.AF' will be shown on the LCD display. Press the Power On/Off Button to turn on or turn off the Mute function.
  - 4. ANTENNA** --- This is the antenna for RF signal transmission.
  - 5. USB PORT FOR RECHARGE** --- This USB port is used to recharge NiMH rechargeable batteries (not included) via a USB cable (not included).
- Caution:** This USB port is to be used with NiMH rechargeable batteries only! Do not use this USB to recharge any other types of batteries.
- 6. BATTERY COMPARTMENT (2 X AA Batteries)**
  - 7. "SET" Button** --- This "SET" button sets and confirms a selected setting.
  - 8. "▼" BUTTON** --- This "▼" button is used to decrease a number or change a setting.
  - 9. "▲" BUTTON** --- This "▲" button is used to increase a number or change a setting.
  - 10. LCD DISPLAY** --- Refer to the following section for the details.
- Note:** When the battery level is too low, the LCD display will change color and start to blink.
- 11. INFRARED SIGNAL RECEIVING WINDOW (IR)** --- This "IR" window is used to receive the frequency setting from the "IR-TX" window (refer to numeral 11 in Section "BODY-PACK RECEIVER FUNCTION" on page 6) on the AWR6601U receiver to automatically set the frequency setting of this body-pack transmitter.
- NOTE:** Frequency Ranges- Channel A: 512MHz – 536MHz; Channel B: 565MHz -589MHz
- 12. MICROPHONE INPUT** --- This input is to be connected with a lavalier microphone or a headset microphone (not included).
  - 13. MICROPHONE INPUT ON/OFF SWITCH** --- This switch turns the microphone input on or off.
  - 14. GUITAR/LINE INPUT** --- This input is to be connected to a guitar via a guitar cable (not included) or to an audio device via an audio cable (not included).
  - 15. GUITAR/LINE INPUT ON/OFF SWITCH** --- This switch turns the guitar/line input on or off.

## AWX6601U BODY-PACK TRANSMITTER

CARRIER FREQUENCY RANGE	UHF BAND
FREQUENCY STABILITY	±0.005% (14-122 °F)
MODULATION MODE	FM
OUTPUT POWER	5mW – 10mW
OSCILLATION MODE	PLL SYNTHESIZED
FREQUENCY BANDWIDTH	90.722KHz
HARMONIC RADIATION	< -60dB
MAXIMUM DEVIATION	±45KHz
S/N RATIO	>97dB
T.H.D.	±1% @ 1KHz
FREQUENCY RESPONSE	50 – 15,000Hz ±3dB
BATTERIES	AA X 2
CURRENT CONSUMPTION	120mA (typical)
DIMENSIONS (W X H X D)	2.48" X 3.46" X 0.87"
WEIGHT	about 0.35 lbs (without batteries)

## AWX6601UH HANDHELD TRANSMITTER

CARRIER FREQUENCY RANGE	UHF BAND
FREQUENCY STABILITY	±0.005% (14-122 °F)
MODULATION MODE	FM
OUTPUT POWER	5mW – 10mW
OSCILLATION MODE	PLL SYNTHESIZED
FREQUENCY BANDWIDTH	90.722KHz
HARMONIC RADIATION	< -60dB
MAXIMUM DEVIATION	±45KHz
S/N RATIO	>97dB
T.H.D.	±1% @ 1KHz
FREQUENCY RESPONSE	50 – 15,000Hz ±3dB
BATTERIES	AA X 2
CURRENT CONSUMPTION	120mA (typical)
DIMENSIONS (L X D)	10.83" X 2.05"
WEIGHT	about 0.62 lbs (without batteries)

## ACC6601-98 EARPHONES (OPTIONAL)

TYPE	STEREO IN-EAR EARPHONES
EARPHONE DIAMETER	0.53 inch (13.5mm)
SENSITIVITY	103.5dB SPL/mW
CABLE	1.97ft X 1.4mm
IMPEDANCE	16Ω
FREQUENCY RESPONSE	20 – 20,000Hz ±3dB
PLUG	3.5mm STEREO, GOLD-PLATED
WEIGHT	0.42 oz (12g)

## OPERATION NOTES

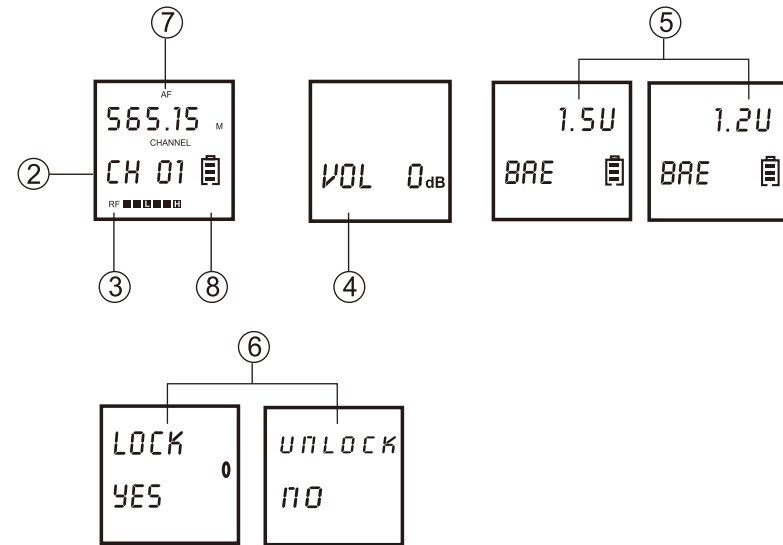
1. The AWX6601U and AWR6601 need to be turned off before changing the AA batteries.
2. Signal dropout or unexpected noise may be caused by a low battery or by an excessive distance between the transmitter and the receiver. If you encounter signal dropout or unexpected noise, please check the batteries first. If the batteries are still fresh, try to readjust the antennas on the AWR6601U receiver.
3. Avoid placing the receiver in a corner to prevent any RF reception deterioration.
4. Avoid placing the receiver antennas close to an obstruction or close to any metal surface.
5. Try to place the receiver as far away from the digital equipment, including computers and CD players, as possible.
6. If more than one AWR6601U wireless microphone receivers are stacked together or placed in a rack, do not let the antennas touch each other or cross each other.
7. Before the AWR6601U is to be used in a new location, place the AWR6601U receiver at the intended location and walk through the area with the transmitters to locate any radio frequency blind spots, where a momentary loss of sound or short period of noise may occur whenever the transmitters are moved to these spots.
8. Do not drop the transmitter on the floor or strike the transmitter with any object.
9. Always turn off the transmitter and remove the batteries if the transmitter is not to be used for a period of time to prevent the transmitter from being damaged by leaking batteries.

## SPECIFICATIONS

### AWR6601U DUAL-CHANNEL BODY-PACK RECEIVER

CARRIER FREQUENCY RANGE	UHF BAND
FREQUENCY STABILITY	±0.005% (14-122 °F)
MODULATION MODE	FM
OSCILLATION MODE	PLL SYNTHESIZED
SENSITIVITY	S/N>60dB
FREQUENCY BANDWIDTH	12 – 24MHz
MAX DRIFT RATE	±45KHz
S/N RATIO	>97dB
T.H.D.	±1% @ 1KHz
FREQUENCY RESPONSE	50 – 15,000Hz ±3dB
STEREO ISOLATION	±45dB @ 1KHz
OUTPUT JACK	3.5mm TRS (STEREO) Earphone Jack
OUTPUT POWER	2 X 75mW @ 1KHz (T.H.D.: 3%)
BATTERIES	AA X 2
CURRENT CONSUMPTION	150mA (typical)
DIMENSIONS (W X H X D)	2.48" X 4.25" X 0.98"
WEIGHT	about 0.44 lbs (without batteries)

## BODY-PACK TRANSMITTER (AWX6601U) LCD DISPLAY AND OPERATION



1. **Turn on the Power and Mute Function**  
Press and hold the POWER ON/OFF button to turn on the transmitter. The POWER LED indicator will stay on. The MUTE LED will stay for a short period time and, then, turn off. When the power is on, press this button to turn on or turn off the MUTE function.
2. **Manually Set the Channel Number**  
Press the SET button and the channel number will start to flash. While the channel number is flashing, press the ▼ button to decrease the channel number or the ▲ button to increase the channel number until reaching the needed channel number. Press and hold the ▲ or ▼ to have the channel number increased or decreased in a fast manner until the button is released. After the channel number is set, wait for a few seconds for the flash to stop.  
**NOTE 1:** (a) The mute function and the MUTE LED will be turned on when any of the icons in the LCD display is flashing. The mute function and the MUTE LED will be turned off after the flash stops.  
(b) The flash will stop automatically after a few seconds if none of the buttons is pressed.  
**NOTE 2:** Frequency Ranges- Channel A: 512MHz – 536MHz; Channel B: 565MHz -589MHz
3. **Set the RF Level**  
Press the SET button twice and the RF level icon will start to flash. While the RF level icon is flashing, Press the ▲ or ▼ to set the RF level at H or L. The effective wireless transmission range will be longer when the RF level is set at H. After the RF level is set, wait for a few seconds for the flash to stop.



#### 4. Volume Level Selection

Press the SET button three times and the "VoL" icon will start to flash. While the "VoL" icon is flashing, press the ▼ button or the ▲ button to select the volume level. The volume level includes 0dB, -10dB, -20dB, and -30dB. The volume will be the highest when the volume level is set at 0dB. After the volume level is set, wait for a few seconds for the flash to stop.

**Note:** The volume level setting is only for the microphone input, not for the guitar/line input.

#### 5. Battery Voltage Selection

Press the SET button four times and the "bAt" icon will start to flash. While the "bAt" icon is flashing, press the ▼ button or the ▲ button to select the correct battery voltage. When alkaline batteries are used, select 1.5V. When NiMH rechargeable batteries are used, select 1.2V. After the battery voltage is selected, wait for a few seconds for the flash to stop.

#### 6. Lock Status Selection

Press the SET button five times and the "UnLoc No" icon will start to flash. While the "UnLoc No" icon is flashing, press the ▼ button or the ▲ button to select "Lock Yes" or "Unloc No". The selection of "Lock Yes" prevents all settings from being changed. In order to change any setting, the lock status needs to be changed to "Unloc No" first. After the lock status is selected, wait for a few seconds for the flash to stop.

#### 7. AF Indicator

This AF indicator is on the top of the LCD display and shows the transmitter's AF level. "OFF.AF" icon will show if the transmitter is muted.

#### 8. Battery Level Indicator

This battery level indicator shows the current battery level. When the battery level is too low, the LCD display will change color and start to blink. The battery level indicator flashes when NiMH rechargeable batteries are being recharged. After these NiMH batteries are fully recharged, the battery level indicator will stop flashing and a "FULL" icon will be displayed.

**NOTE:** While an icon, after setting, is still flashing, pressing the SET button will prompt the next setting process.

via a camera mounting rack. Once mounted to the video recording device, this AWR6601U wireless receiver can be utilized to receive audio signals from both AWX6601U wireless transmitters. The procedures to install the camera mounting rack to the AWR6601U receiver are as follows:

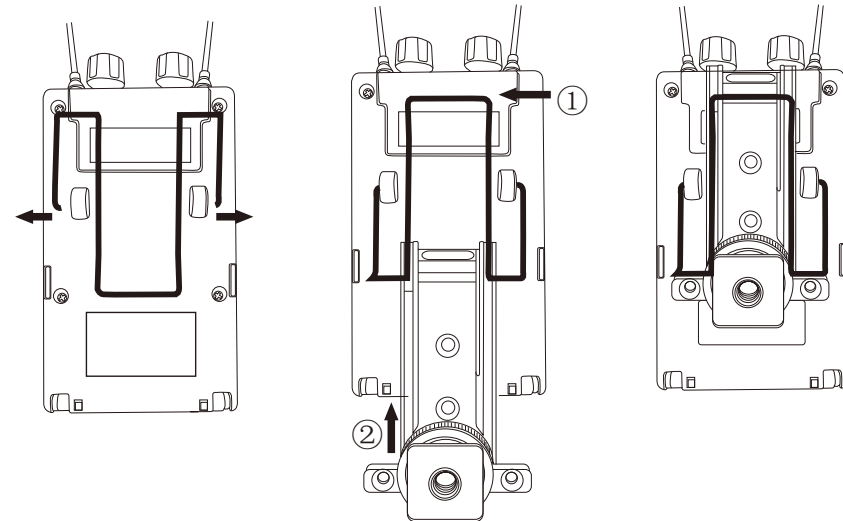


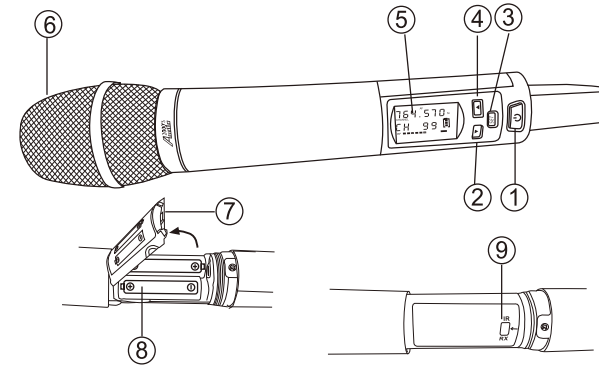
Figure 1

Figure 2

Figure 3





1. As shown in Figure 1, push outwards both arms of the metal belt clip away from the pin mounting holes to dismount the metal belt clip from the AWR6601U wireless receiver.
2. After the metal belt clip is removed from the AWR6601U wireless receiver, reverse the orientation of the metal clip such that the tip of the U-shaped portion (refer to numeral 1 in Figure 2) is facing the location of the antennas.
3. Align the arms of the metal belt clip to the pin mounting holes and install the metal belt clip to the AWR6601U wireless receiver.
4. After the metal belt clip is securely installed on the AWR6601U wireless receiver, raise the tip of the U-shaped portion (numeral 1 in Figure 2). While the tip of the U-shaped portion is raised up, align the grooves on the top surface of the camera mounting rack to the parallel legs of the U-shaped portion and then slide the camera mounting rack along the direction of the grooves (as indicated by numeral 2 in figure 2) to be locked into a secure position as shown in Figure 3.
5. Once the camera mounting rack is securely mounted to the AWR6601U receiver, the camera mounting rack is utilized as a camera shoemount adapter for this AWR6601U wireless receiver to be mounted to a camera shoemount.

## HANDHELD TRANSMITTER (AWX6601UH) FUNCTION



<b>1. POWER ON/OFF &amp; MUTE BUTTON</b> --- This button is to be used as a power On/Off switch and as a mute switch. Press and hold this button to turn on or turn off the transmitter. When the power is on, press this button to turn on or turn off the MUTE function.
<b>2. “▼” BUTTON</b> --- This “▼” button is used to decrease a number or change a setting.
<b>3. “SET” Button</b> --- This “SET” button sets and confirms a selected setting.
<b>4. “▲” BUTTON</b> --- This “▲” button is used to increase a number or change a setting.
<b>5. LCD DISPLAY</b> --- Refer to the following section for the details.
<b>Note:</b> When the battery level is too low, the LCD display will change color and start to blink.
<b>6. WIRELESS HANDHELD MICROPHONE WINDSCREEN</b>
<b>7. BATTERY COVER</b>
<b>8. BATTERY COMPARTMENT (2 X AA Batteries)</b>
<b>9. INFRARED SIGNAL RECEIVING WINDOW (IR)</b> --- This “IR” window is used to receive the frequency setting from the “IR-TX” window (refer to numeral 11 in Section “BODY-PACK RECEIVER FUNCTION” on page 6) on the AWR6601U receiver to automatically set the frequency setting of this handheld transmitter.
<b>NOTE:</b> Frequency Ranges- Channel A: 512MHz – 536MHz; Channel B: 565MHz -589MHz

### 5. Lock Status Selection

Press the SET button six times and a lock-icon will start to flash. While the lock-icon is flashing, press the ▼ button or the ▲ button to select a locked lock-icon  or an unlocked lock-icon . The selection of the locked lock-icon  prevents all settings from being changed. In order to change any setting, the lock status needs to be changed to the unlocked lock-icon  first. After the lock status is selected, wait for a few seconds for the flash to stop.

### 6. IR Buttons

There are two IR buttons. The A-IR button is the IR button for channel A. Press this A-IR button once and the IR-TX window (refer to numeral 11) will start to flash for a few seconds. While the IR-TX window is flashing, have the IR-TX window align and face the IR window (refer to numeral 11 in Section “BODY-PACK TRANSMITTER FUNCTION” on page 4) on the AWX6601U transmitter (frequency range: **512MHz – 536MHz**) to automatically set the frequency setting of this body-pack transmitter.

The B-IR button is the IR button for channel B. Press this IR-B button once and the IR-TX window will start to flash for a few seconds. While the IR-TX window is flashing, have the IR-TX window align and face the IR window on the AWX6601U transmitter (frequency range: **565MHz -589MHz**) to automatically set the frequency setting of this body-pack transmitter.

### 7. SCAN

Press the SCAN button to have this receiver start to scan the clear frequencies for both channel A and channel B simultaneously in the installation area. Once the clear frequencies are found, the scan stops automatically and both channels are set to have those two clear frequencies (one frequency for channel A and another for channel B).

### 8. RF and AF Level Meters

There two RF level meters, one for channel A and another for channel B. The CH-A RF level meter shows the intensity of the wireless transmission signal from the channel-A transmitter. The CH-B RF level meter shows the intensity of the wireless transmission signal from the channel-B transmitter.

There two AF level meters, one for channel A and another for channel B. The CH-A AF level meter shows the intensity of the audio signal from the channel-A transmitter. The CH-B AF level meter shows the intensity of the audio signal from the channel-B transmitter.

### 9. Battery Level Indicator

This battery level indicator shows the current battery level. When the battery level is too low, the LCD display will change color and start to blink. The battery level indicator flashes when NiMH rechargeable batteries are being recharged. After these NiMH batteries are fully recharged, the battery level indicator will stop flashing and a “FULL” icon will be displayed.

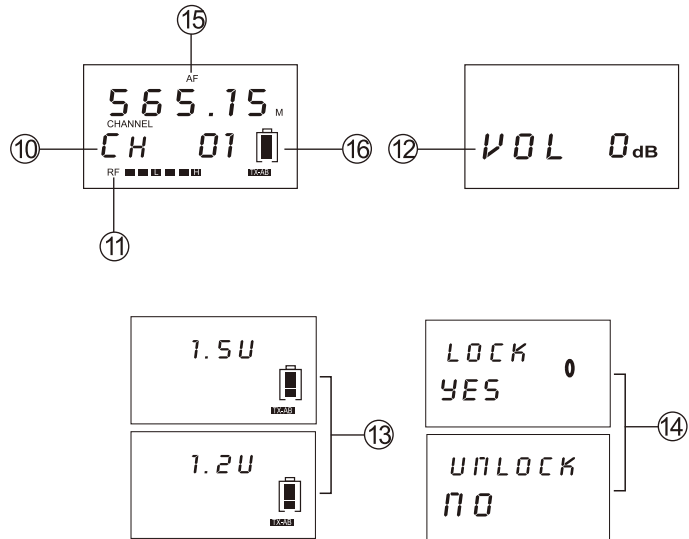
**NOTE:** All the alkaline batteries can not be recharged.

**NOTE:** While an icon, after setting, is still flashing, pressing the SET button will prompt the next setting process.

## CAMERA MOUNTING RACK INSTALLATION

This AWM6601U wireless system comprises one AWR6601U wireless receiver and two AWX6601U wireless transmitters. The AWR6601U wireless receiver can be mounted to a video recording device

## HANDHELD TRANSMITTER (AWX6601UH) LCD DISPLAY AND OPERATION



### 9. Turn on the Power and Mute Function

Press and hold the POWER ON/OFF button to turn on the transmitter. The POWER LED indicator will stay on. The MUTE LED will stay for a short period time and, then, turn off. When the power is on, press this button to turn on or turn off the Mute function. When the Mute function is on, the icon 'OFF.AF' will be shown on the LCD display. When the Mute function is off, the icon 'ON.AF' will be shown on the LCD display.

### 10. Manually Set the Channel Number

Press the SET button and the channel number will start to flash. While the channel number is flashing, press the ▼ button to decrease the channel number or the ▲ button to increase the channel number until reaching the needed channel number. Press and hold the ▲ or ▼ to have the channel number increased or decreased in a fast manner until the button is released. After the channel number is set, wait for a few seconds for the flash to stop.

**NOTE 1:** (a) The mute function and the MUTE LED will be turned on when any of the icons in the LCD display is flashing. The mute function and the MUTE LED will be turned off after the flash stops.  
(b) The flash will stop automatically after a few seconds if none of the buttons is pressed.

**NOTE 2:** Frequency Ranges- Channel A: 512MHz – 536MHz; Channel B: 565MHz -589MHz

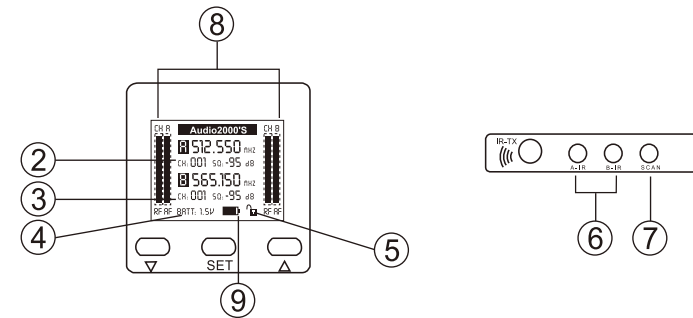
### 11. Set the RF Level

Press the SET button twice and the RF level icon will start to flash. While the RF level icon is flashing, Press the ▲ or ▼ to set the RF level at H or L. The effective wireless transmission range will be longer when the RF level is set at H. After the RF level is set, wait for a few seconds for the flash to stop.

### 12. Volume Level Selection

Press the SET button three times and the "VoL" icon will start to flash. While the "VoL" icon is flashing, press the ▼ button or the ▲ button to select the volume level. The volume level includes 0dB, -10dB, -20dB, and -30dB. The volume will be the highest when the volume level is set at 0dB. After the volume level is set, wait for a few seconds for the flash to stop.

## BODY-PACK RECEIVER (AWR6601U) LCD DISPLAY AND OPERATION



### 1. Turn on the Power

Press and hold the POWER ON/OFF button to turn on the transmitter. The LCD display will be turned on.

### 2. Manually Set the Channel Number and Squelch (SQ) Level for Channel A

Press the SET button and the channel number of channel A will start to flash. While the channel number is flashing, press the ▼ button to decrease the channel number or the ▲ button to increase the channel number until reaching the needed channel number. Press and hold the ▲ or ▼ to have the channel number increased or decreased in a fast manner until the button is released.

While the channel A number is flashing, press the SET button again and the SQ level number for channel A will start to flash. While the SQ level number is flashing, press the ▼ button to decrease the SQ level number or the ▲ button to increase the SQ level number until reaching the desired SQ level number. The lower (more negative) the SQ level number is, the longer the wireless transmission range will be. In the meantime, the wireless interference possibility will be higher when the SQ level number is lower.

**NOTE 1:** The flash will stop automatically after a few seconds if none of the buttons is pressed.

**NOTE 2:** Frequency Ranges- Channel A: 512MHz – 536MHz; Channel B: 565MHz -589MHz

### 3. Manually Set the Channel Number and Squelch (SQ) Level for Channel B

Press the SET button three times and the channel number of channel B will start to flash. While the channel number is flashing, press the ▼ button to decrease the channel number or the ▲ button to increase the channel number until reaching the needed channel number. Press and hold the ▲ or ▼ to have the channel number increased or decreased in a fast manner until the button is released.

While the channel B number is flashing, press the SET button again and the SQ level number for channel B will start to flash. While the SQ level number is flashing, press the ▼ button to decrease the SQ level number or the ▲ button to increase the SQ level number until reaching the desired SQ level number. The lower (more negative) the SQ level number is, the longer the wireless transmission range will be. In the meantime, the wireless interference possibility will be higher when the SQ level number is lower.

### 4. Battery Voltage Selection

Press the SET button five times and the "Batt" icon will start to flash. While the "Batt" icon is flashing, press the ▼ button or the ▲ button to select the correct battery voltage. When alkaline batteries are used, select 1.5V. When NiMH rechargeable batteries are used, select 1.2V. After the battery voltage is selected, wait for a few seconds for the flash to stop.



1. **POWER ON/OFF** --- Press and hold this button to turn on or turn off the receiver.
  2. **ANTENNAS** --- These are the antennas for channel A and channel B (one of each channel).
  3. **AUDIO OUTPUT** --- This audio output can be selected to be a line output or a phone output by the AUDIO OUTPUT mode selection switch (refer to numeral 20).
  4. **AUDIO OUTPUT VOLUME CONTROLS (VOL A / VOL B)** --- The "VOL A" control adjusts the channel A output volume. The "VOL B" control adjusts the channel B output volume.
  5. **RF LED INDICATORS (A-RF / B-RF)** --- The "A-RF" LED indicator shows that the wireless transmission signal from the channel-A transmitter is being received. The "B-RF" LED indicator shows that the wireless transmission signal from the channel-B transmitter is being received.
  6. **AF LED INDICATORS (A-AF / B-AF)** --- The "A-AF" LED indicator shows that the audio signal from the channel-A transmitter is being received. The "B-AF" LED indicator shows that the audio signal from the channel-B transmitter is being received.
  7. **LCD DISPLAY** --- Refer to the following section for the details.
- Note:** When the battery level is too low, the LCD display will change color and start to blink.
8. **"▼" BUTTON** --- This "▼" button is used to decrease a number or change a setting.
  9. **"SET" Button** --- This "SET" button sets and confirms a selected setting.
  10. **"▲" BUTTON** --- This "▲" button is used to increase a number or change a setting.
  11. **INFRARED SIGNAL TRANSMITTING WINDOW (IR-TX)** --- This "IR-TX" window is used to transmit the receiver frequency setting to the transmitter IR window (refer to numeral 11 on page 3 or numeral 9 on page 6) to automatically set the transmitter frequency setting.
- NOTE:** Frequency Ranges- Channel A: 512MHz – 536MHz; Channel B: 565MHz -589MHz
12. **BATTERY COMPARTMENT (2 X AA Batteries)**
  13. **RECHARGE CONTACTS** --- These recharge contacts are used for recharging NiMH batteries only. These recharge contacts are to be used with the ACC6601-99 dock (not included).
- NOTE:** All the alkaline batteries can not be recharged.
14. **BATTERY COMPARTMENT COVER**
  15. **A-IR** --- This is the IR button for channel A. Press this button once and the IR-TX window (refer to numeral 11) will start to flash for a few seconds. While the IR-TX window is flashing, have the IR-TX window align and face the transmitter IR window (refer to numeral 11 on page 3 or numeral 9 on page 6) to automatically set the transmitter frequency setting.
  16. **B-IR** --- This is the IR button for channel B. Press this button once and the IR-TX window will start to flash for a few seconds. While the IR-TX window is flashing, have the IR-TX window align and face the transmitter IR window (refer to numeral 11 on page 3 or numeral 9 on page 6) to automatically set the transmitter frequency setting.
  17. **SCAN** --- Press this button to have this receiver start to scan the available frequencies for both channel A and channel B simultaneously in the installation area. Once the available frequencies are found, the scan stops automatically and both channels are set to those two available frequencies (one frequency to channel A and another to channel B).
  18. **METAL BELT CLIP**
  19. **USB PORT FOR RECHARGE** --- This USB port is used to recharge the NiMH rechargeable batteries via a USB cable (not included).
- Caution:** This USB port is to be used with NiMH rechargeable batteries only! Do not use this USB to recharge any other types of batteries.
20. **AUDIO OUTPUT (LINE & PHONE)** --- This is an audio output mode selection switch. When this audio output mode selection switch is set to the "LINE" position, the audio output (refer to numeral 3) can be connected to the line input of an audio device. When this audio output mode selection switch is set to the "PHONE" position, the audio output can be connected to earphones (not included).
  21. **A+B & A/B** --- This is an audio sound mode selection switch. When this audio sound mode selection switch is set to the "A+B" position, the sound from channel A and the sound from channel B are mixed first and then sent to both the right channel and the left channel (**Mono**). When this audio sound mode selection switch is set to the "A/B" position, the sound from channel A is sent to the left channel while the sound from channel B is sent to the right channel (**Stereo**).

### 13. Battery Voltage Selection

Press the SET button four times and the "bAt" icon will start to flash. While the "bAt" icon is flashing, press the ▼ button or the ▲ button to select the correct battery voltage. When alkaline batteries are used, select 1.5V. When NiMH rechargeable batteries are used, select 1.2V. After the battery voltage is selected, wait for a few seconds for the flash to stop.

### 14. Lock Status Selection

Press the SET button five times and the "UnLoc No" icon will start to flash. While the "UnLoc No" icon is flashing, press the ▼ button or the ▲ button to select "Lock Yes" or "Unloc No". The selection of "Lock Yes" prevents all settings from being changed. In order to change any setting, the lock status needs to be changed to "Unloc No" first. After the lock status is selected, wait for a few seconds for the flash to stop.

### 15. AF Indicator

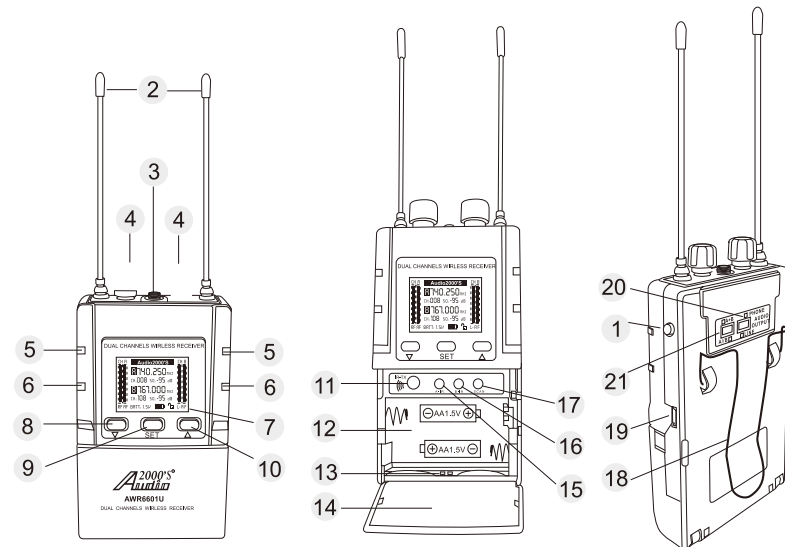
This AF indicator is on the top of the LCD display and shows the transmitter's AF level. "OFF.AF" icon will show if the transmitter is muted.

### 16. Battery Level Indicator

This battery level indicator shows the current battery level. When the battery level is too low, the LCD display will change color and start to blink. The battery level indicator flashes when NiMH rechargeable batteries are being recharged. After these NiMH batteries are fully recharged, the battery level indicator will stop flashing and a "FULL" icon will be displayed.

**NOTE:** While an icon, after setting, is still flashing, pressing the SET button will prompt the next setting process.

## BODY-PACK RECEIVER (AWR6601U) FUNCTION



FCC warning statement

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

This device operates on a no-protection, no-interference basis. Should the user seek to obtain protection from other radio services operating in the same TV bands, a radio license is required. For further details, consult Innovation, Science and Economic Development Canada's document Client Procedures Circular CPC-2-1-28, Voluntary Licensing of License-Exempt Low-Power Radio Apparatus in the TV Bands.