

3000 Series

User Manual

UHF synthesized diversity wireless system

ATW-R3210

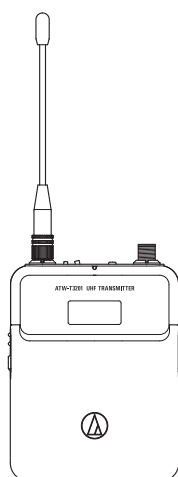
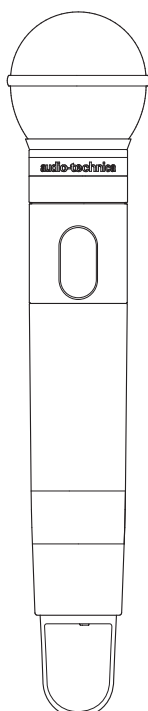
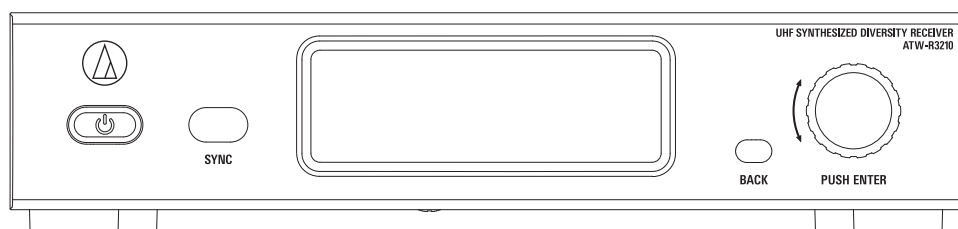
UHF Synthesized diversity receiver

ATW-T3201

UHF transmitter

ATW-T3202

UHF transmitter



Introduction

Thank you for purchasing this Audio-Technica product.

Before using the product, read through this user manual to ensure that you will use the product correctly. Please keep this manual for future reference.

Package contents

Before use, check to make sure that all of the following items are contained in the package.

If any of the items is missing from your package or damaged, contact your local Audio-Technica dealer.

- ATW-R3210
- ATW-T3201
- ATW-T3201
- AC adapter (for ATW-R3210)
- Rack mount (large, small)
- Screw kit for Rack mount
- AT8456a microphone holder (for ATW-T3202)
- AT8456a screws for microphone holder (for ATW-T3202)
- Antennas
- Quick Start Guide
- Warranty

Important information

Warning:

- To prevent fire or shock hazard, do not expose this apparatus to rain or moisture.

Caution:

- Do not expose this apparatus to drips or splashes.
- To avoid electric shock, do not open the cabinet.
- Refer servicing to qualified personnel only.
- Do not expose this apparatus to excessive heat such as sunshine, fire or the like.
- Do not subject this apparatus to strong impact.
- This apparatus should be located close enough to the AC outlet so that you can easily grasp the AC adapter at any time.
- Do not place any objects filled with liquids, such as vases, on this apparatus.
- To prevent fire, do not place any naked flame sources (such as lighted candles) on this apparatus.
- Do not install this apparatus in a confined space such as a bookcase or similar unit.
- Install this apparatus only in places with good ventilation.
- The rating label is put on the bottom of this apparatus.

Battery Caution:

- Keep batteries out of the reach of children.
- Observe correct polarity as marked.
- Do not expose the battery to excessive heat such as sunshine, fire or the like.
- Always consider the environment issues and follow local regulations when disposing of batteries.
- Remove depleted battery immediately.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Use only disposable LR06(AA) alkaline batteries.
- Do not use rechargeable batteries.
- Do not use new batteries and old one at the same time.
- Do not use different batteries type or model.
- Do not use a leaking battery. If battery leakage occurs, avoid contact with skin. If contact occurs, immediately wash thoroughly with soap and water.
- If contact occurs, immediately wash thoroughly with soap and water.
- If battery leakage comes into contact with your eyes, immediately flush with water and seek medical.

For customers in the USA

FCC Notice

Warning:

This device complies with Part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference.

Caution:

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

Note: 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 is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For customers in Canada

IC statement

CAN RSS-Gen/CNR-Gen

This device complies with INDUSTRY CANADA R.S.S. 210. Operation is subject to the following conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference which may cause undesired operation.

This device complies with RSS-102 radiation exposure limits set forth for an uncontrolled environment.

Informations importantes

Avertissement:

- Pour éviter tout risque de choc électrique ou d'incendie, n'exposez pas cet appareil à la pluie ou à l'humidité.

Attention:

- Protégez cet appareil des projections et des gouttes d'eau.
- Confiez tous travaux d'entretien à un technicien qualifié.
- N'exposez pas cet équipement à des températures excessives, telles que celles de la lumière directe du soleil, d'une flamme ou autres sources de chaleur.
- Ne soumettez pas cet équipement à de forts impacts.
- Cet appareil doit être placé à proximité de la prise secteur afin que vous puissiez facilement vous saisir de l'adaptateur secteur à tout moment.
- Ne placez pas d'objets remplis de liquide tels que des vases, sur l'appareil.
- Pour éviter tout risque d'incendie, ne placez pas de flammes nues (telles que des bougies allumées) sur l'appareil.
- N'installez pas cet appareil dans un espace confiné tel qu'une étagère ou un endroit similaire.
- N'installez cet appareil que dans des endroits bien aérés.
- La plaque signalétique se trouve sur le dessous de cet appareil.

Mise en garde relative aux piles:

- Tenez les piles hors de portée des enfants.
- Respectez la polarité correcte indiquée.
- N'exposez pas la pile à une chaleur excessive telle que les rayons du soleil, un feu ou autre source de chaleur.
- Prenez toujours en considération l'impact environnemental et suivez les réglementations locales lors de la mise au rebut des piles.
- Retirez immédiatement toute pile déchargée.
- Danger d'explosion en cas de positionnement incorrect de la pile. Remplacez uniquement avec des piles de type identique ou équivalent.
- Utilisez uniquement des piles alcalines LR06 (AA) jetables.
- N'utilisez pas des piles rechargeables.
- Ne mélangez pas des piles neuves et des piles usagées.
- Ne mélangez pas différents types ou modèles de piles.
- N'utilisez pas une pile qui fuit. En cas de fuite de la pile, évitez tout contact avec la peau.
- En cas de contact, rincez aussitôt abondamment au savon et à l'eau.
- Si le liquide de la pile entre en contact avec vos yeux, lavez aussitôt avec de l'eau et consultez un médecin.

Pour les clients aux États-Unis

Avis de la FCC

Avertissement:

Cet appareil est conforme à la Partie 15 du règlement de la FCC. Son fonctionnement est soumis aux deux conditions suivantes : (1) Cet appareil ne doit pas causer d'interférence nocive et (2) cet appareil doit accepter les interférences reçues, y compris les interférences pouvant provoquer un fonctionnement indésirable.

Attention:

Vous êtes averti que tout changement ou modification non expressément approuvé dans ce manuel est susceptible d'annuler votre droit d'utilisation de cet appareil.

Note: Cet appareil a fait l'objet de tests afin de vérifier sa conformité avec les limites relatives aux appareils numériques de classe B, conformément à la partie 15 du règlement de la FCC. Ces limites ont pour vocation d'offrir une protection raisonnable contre les interférences nocives en installation résidentielle. Cet appareil génère, utilise et peut émettre des fréquences radioélectriques et provoquer, en cas d'installation et d'utilisation non conformes aux instructions, des interférences préjudiciables à la réception des signaux radio. Toutefois, il n'y a pas de garantie que des interférences ne se produiront pas dans une installation particulière. Si l'appareil provoque des interférences préjudiciables à la réception radio ou télévisée, ce qui peut être déterminé en éteignant et allumant l'appareil, l'utilisateur est invité à essayer d'y remédier en prenant une ou plusieurs des mesures suivantes :

- Réorienter ou déplacer l'antenne réceptrice.
- Augmenter la séparation entre l'appareil et le récepteur.
- Brancher l'appareil dans une prise, sur un circuit différent de celui auquel est raccordé le récepteur.
- Demander de l'aide au revendeur ou à un technicien radio/TV qualifié.

À l'attention des clients au Canada

Déclaration IC

CAN RSS-Gen/CNR-Gen

Cet appareil est conforme à la norme R.S.S. 210 d'INDUSTRIE CANADA. Le fonctionnement est soumis aux conditions suivantes : (1) Cet appareil ne doit pas causer d'interférences dommageables et (2) cet appareil doit accepter toutes les interférences reçues, y compris les interférences susceptibles de générer un fonctionnement préjudiciable.

Cet appareil est conforme aux limites de RSS-102 sur l'exposition aux rayonnements établies pour un environnement non contrôlé.

Safety precautions

- When using the product, also read the user manuals supplied with the devices that are to be connected.
- When not using the product, remove the power plug from the power outlet.
- Turn the product off before connecting or disconnecting cables.
- If you use the product near a TV or radio antenna, noise may be generated in the TV or radio. In this case, move the product away from the TV or radio antenna.
- Two transmitters on the same frequency cannot be used simultaneously.
- Please be aware that interference may be generated from the surrounding electromagnetic environment and/or from using multiple units.
- The wireless system may be affected by electromagnetic noise from automobile spark plugs, light dimmers, computers, OA devices, or electrical music instruments. Position the components of the system in a place where it is less likely to be affected.
- Only use this product in combination with devices specified by the manufacturer.
- Insert the plugs of connecting cables securely into their mating connectors.
- Radio waves in the UHF band propagate mainly by line of sight. Configure system so there are no obstructions between the transmitter and receiver.
- Turn the phantom power off when connecting to the mixer.
- Use 120 V AC power source. Refer to "Specifications" for product ratings.
- If there is an electronic device or a transmitter (mobile phone etc.) in the vicinity of this product, this product may be subject to noise. In this case, move the product away from the devices.
- When installing this product, make sure there are no obstacles between the receiver and the transmitter that block radio waves.
- If you use the product near a TV or radio antenna, noise may be generated in the TV or radio. In this case, move the product away from the devices.
- To prevent the batteries from wearing out, turn the product off when not in use.
- Over time, discoloration may occur due to ultraviolet rays (especially direct sunlight) and friction.
- Any customization of the product is prohibited by law. Also, disassembly of the product may result in electrical shock, equipment damage or fire. Never disassemble the product.

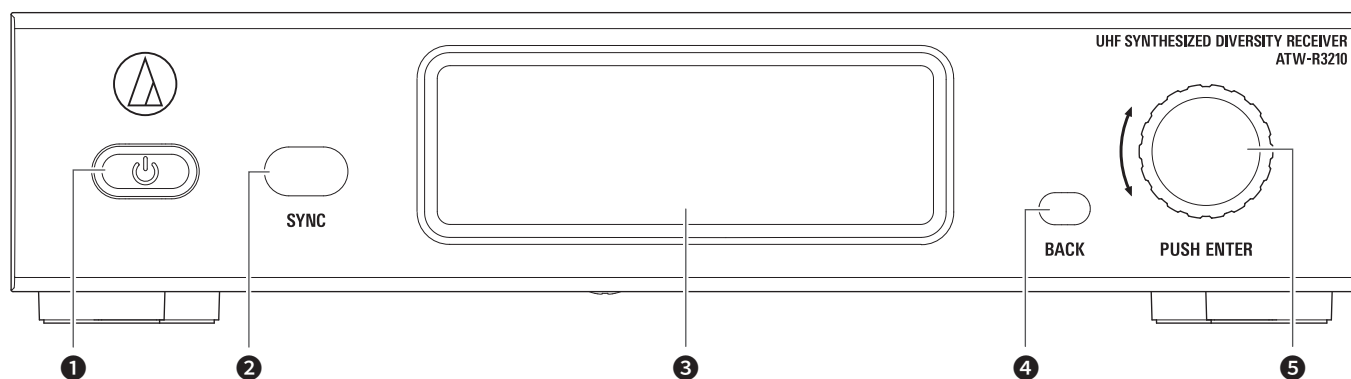
Care

- If the product becomes dirty or dusty, disconnect the power plug first, and then wipe the product off with a dry soft cloth.
- Do not use benzene, thinner, contact restoring protective agent, or any other chemical agent. Doing so may cause deformation, damage, or malfunction.
- When storing the product for an extended period of time, wrap it with a plastic cover, and do not allow it to be exposed to humidity.

Part names and functions

ATW-R3210

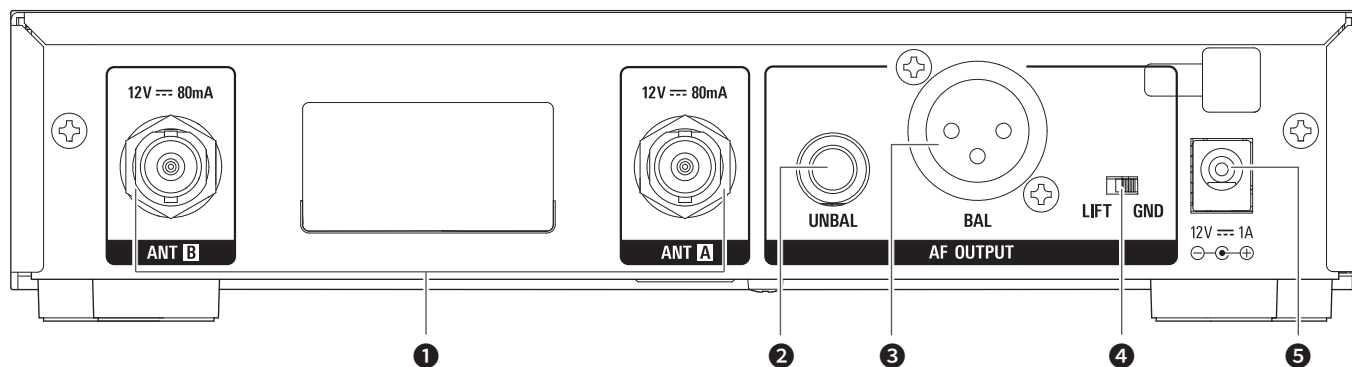
Front panel



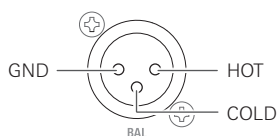
- 1** Power switch ()
Press the switch to turn the power on.
- 2** IR sync window
Use when syncing transmitter (ATW-T3201/ATW-T3202) to the product.
- 3** Display
Displays the product state and setting menus.
- 4** BACK button
Takes the display back one screen when pressed.
- 5** Control dial
Turn to scroll through settings and press to set them.

Part names and functions

Rear panel



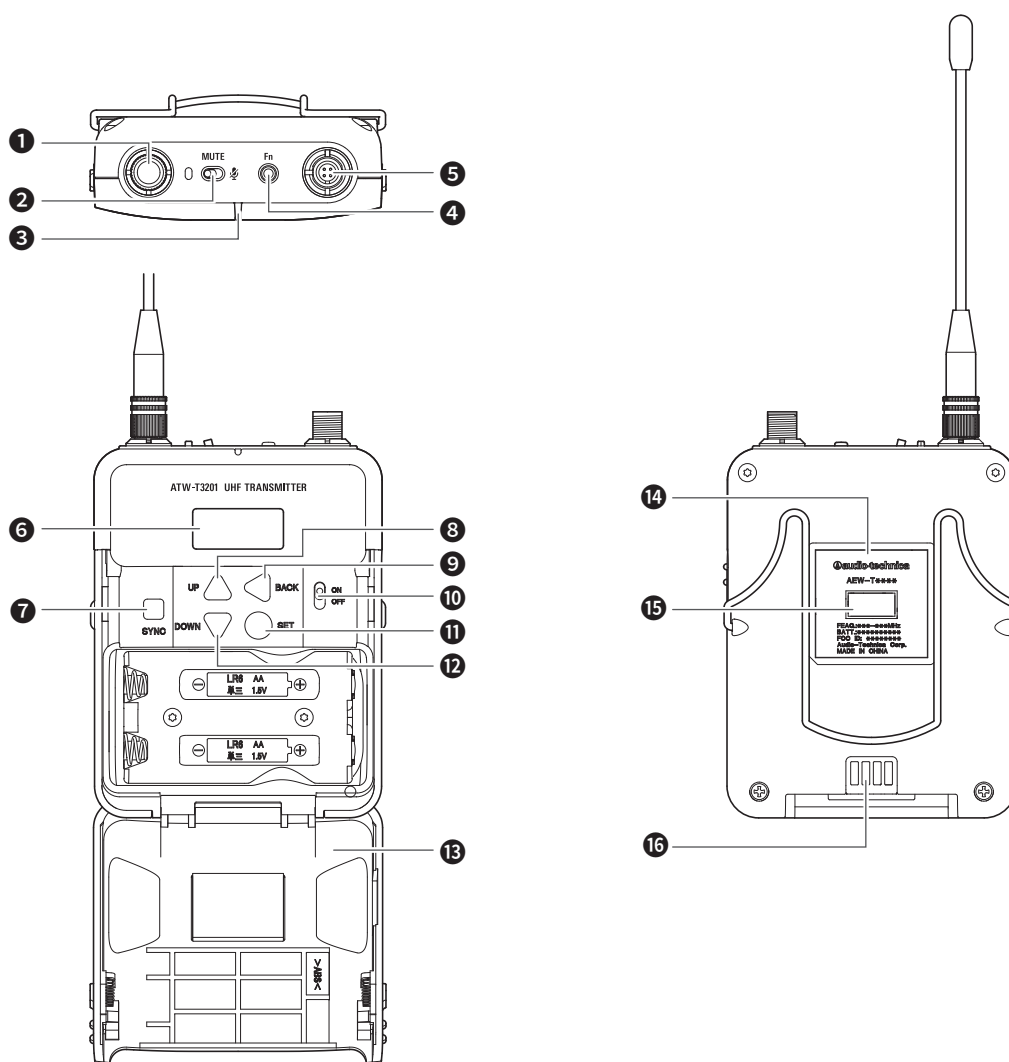
- 1** Antenna input jack
Attach the antenna directly, or extend it with a low-loss antenna cable.
- 2** Unbalanced output jack (6.3 mm (1/4"))
- 3** Balanced output jack (XLR 3-pin male)



- 4** Ground lift switch
This switch isolates the GND pin of the balanced output from the ground.
Normally use in the GROUND position, but if a hum develops due to a ground loop, switch to the "GROUND LIFT" side.
- 5** Power input jack
Connect the DC plug from the included AC adapter for 12 V, 1 A.

Part names and functions

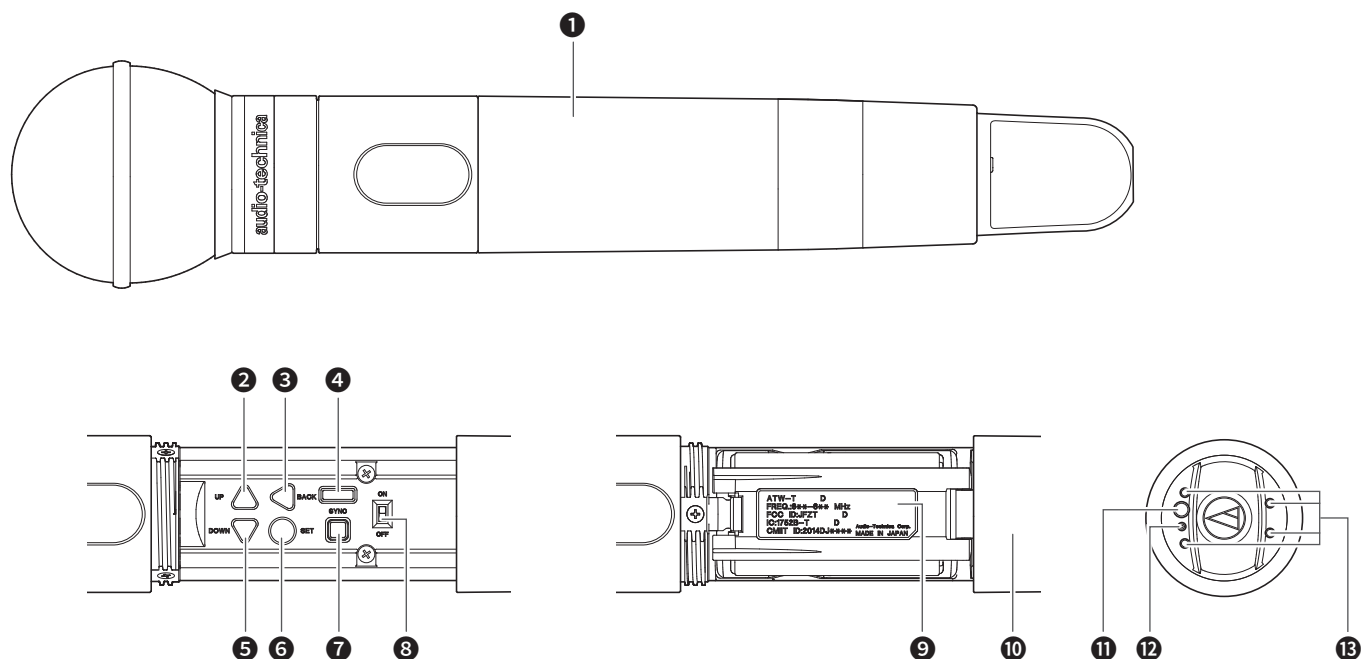
ATW-T3201



- 1** Transmission antenna
- 2** MUTE switch
Press to switch audio mute on and off.
- 3** Indicator
Indicates status of power supply or battery by LED.
Power ON: lights in green
Low battery: lights in red
• Lits once when RECALL/Multi function button is pressed and hold.
- 4** RECALL/Multi function button
Press to turn the screen back on if it shuts off. Press and hold to perform the assigned action.
- 5** Microphone input connector
Connect a microphone (sold separately).
- 6** Display
Shows the current status.
• If no buttons are pressed for a period of 30 seconds, the display will turn off.
- 7** SYNC button
Use when syncing receiver (ATW-R3210) to the product.
- 8** UP button
Used for selecting various settings.
- 9** BACK button
Returns to the previous operation.
- 10** Power switch
Turns the power on/off.
- 11** SET button
Press to confirm a selection.
- 12** DOWN button
Used for selecting various settings.
- 13** Battery cover
- 14** Technical standard conformity certification sticker
Using the product without this sticker may cause legal violation.
Do not peel off.
- 15** IR sync window
Use when syncing the product to the receiver.
- 16** Charging terminals

Part names and functions

ATW-T3202

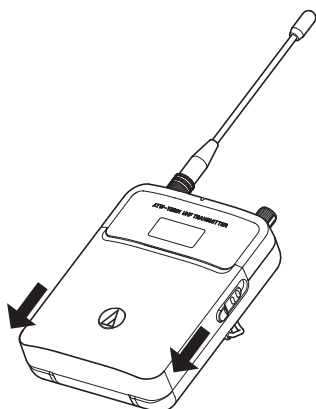


- 1** Grip case
- 2** UP button
Used for selecting various settings.
- 3** BACK button
Returns to the previous operation.
- 4** IR sync window
Use when syncing the product to the receiver.
- 5** DOWN button
Used for selecting various settings.
- 6** SET button
Press to confirm a selection.
- 7** SYNC button
Use when syncing receiver (ATW-R3210) to the product.
- 8** Power switch
Turns the power on/off.
- 9** Technical standard conformity certification sticker
Using the product without this sticker may cause legal violation.
Do not peel off.
- 10** Battery cover
- 11** RECALL/Multi function button
Press to turn the screen back on if it shuts off. Press and hold to perform the assigned action.
- 12** Indicator
Indicates status of power supply or battery by LED.
Power ON: lights in green
Low battery: lights in red
• Lits once when RECALL/Multi function button is pressed and hold.
- 13** Charging terminals

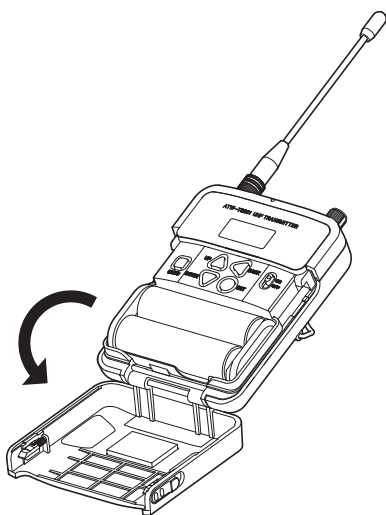
Inserting batteries

ATW-T3201

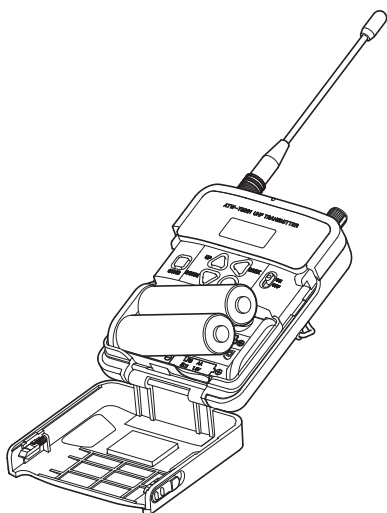
1. Slide the battery cover latches inward as shown by the arrows.



2. With the latches pressed in, open the battery cover.

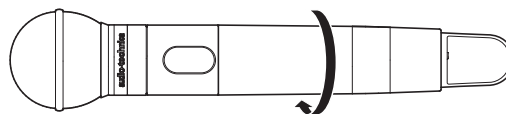


3. Insert the batteries according to the plus (+) and minus (-) marks found inside the battery compartment

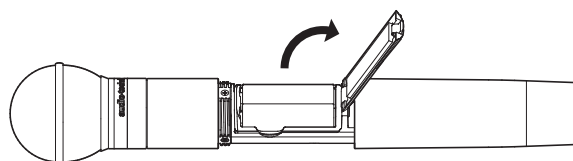


ATW-T3202

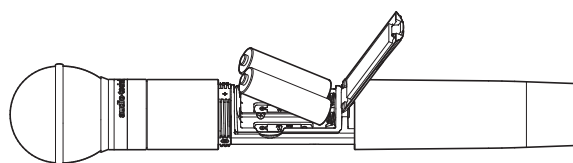
1. Rotate the grip case.



2. Open the battery cover located on the back side.



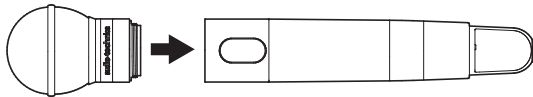
3. Insert the batteries according to the plus (+) and minus (-) marks found inside the battery compartment



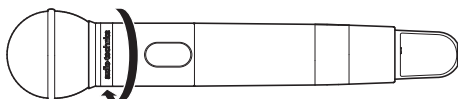
Installing and removing a microphone (only for ATW-T3202)

How to install

1. Install the microphone to the product.

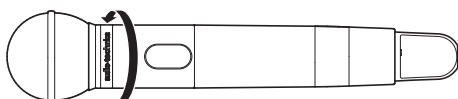


2. Rotate and tighten the microphone.

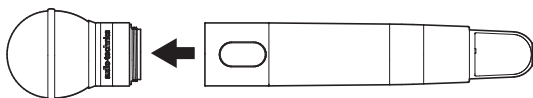


How to remove

1. Rotate and tighten the microphone.

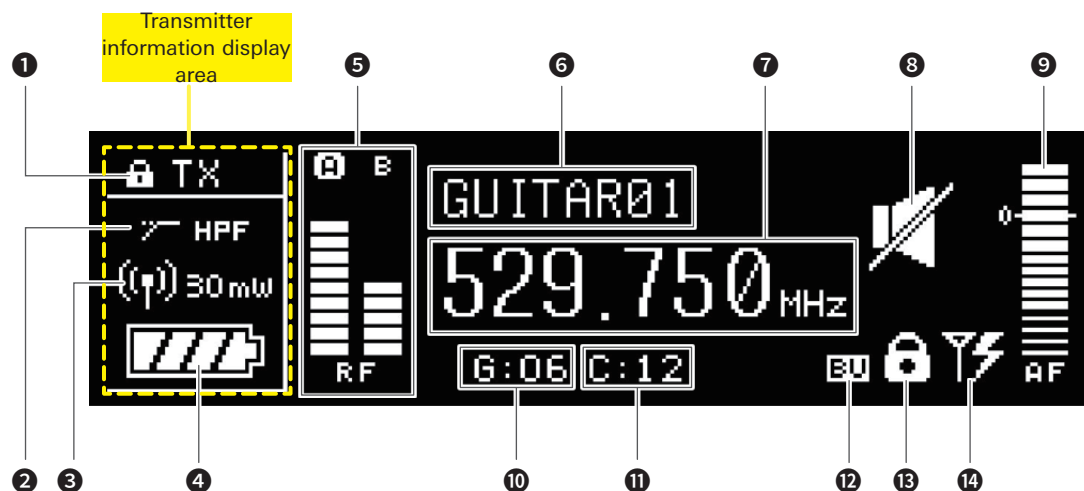


2. Remove the microphone from the product.



Display

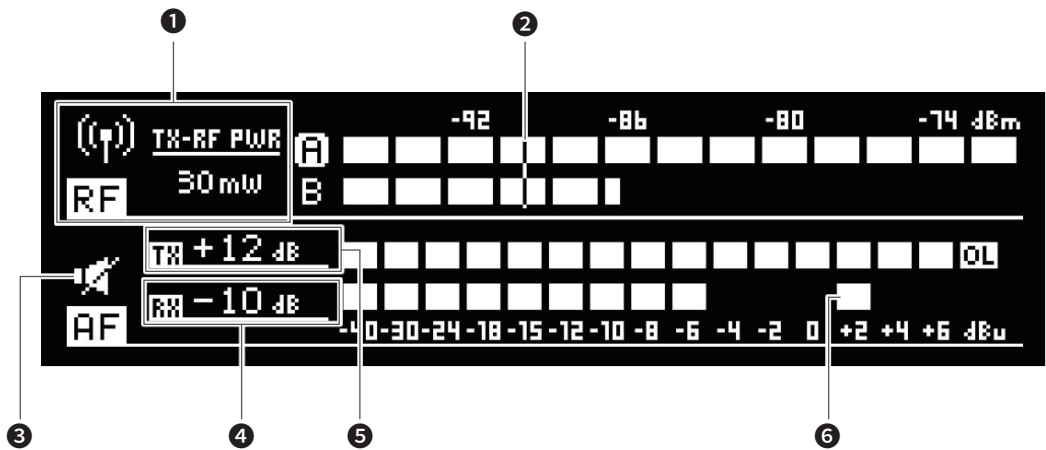
ATW-R3210



- 1** Key lock status (transmitter)
- 2** High pass filter (transmitter)
- 3** RF power output (transmitter)
- 4** Battery power indicator (transmitter)
- 5** RF level indicator
Displays the reception states of antennas A & B respectively.
- 6** NAME
Displays the specified name.
- 7** Frequency
Displays the specified frequency.
- 8** Mute indicator
A mark is displayed when muted.
- 9** AF level indicator
Displays the received audio signal level.
- 10** Group
- 11** Channel
- 12** Frequency Back-up
Displays when frequency back-up mode is ON.
- 13** Key lock status (transmitter)
- 14** Antenna input jack
Displays when antenna power setting is ON.

Display

Level meter screen



- 1** RF power output (transmitter)
- 2** Marker (when the minimum hold function is on)
The RF level is held at a minimum value.
- 3** Mute indicator
A mark is displayed when muted.
- 4** Gain indicator (transmitter)
- 5** Audio setting (receiver)
- 6** Peak hold indicator

Switching screens

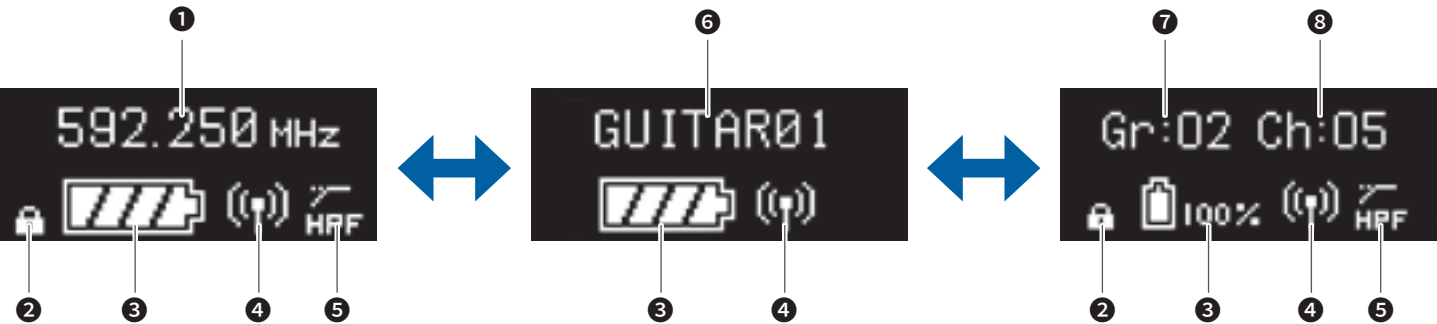
The screen switches each time the control dial is turned to the right / left.



Display

ATW-T3201 / ATW-T3202

The main screen is displayed when the power is switched on. Pressing the UP / DOWN button on the main screen switches the screen display.



- 1** Frequency
Displays the specified frequency.

2 Key lock status

3 Battery power indicator

4 RF power output

 : RF Power High (30mW)

 : RF Power Low (10mW)

 : RF Power Off
- 5** High pass filter
Displays the specified name.

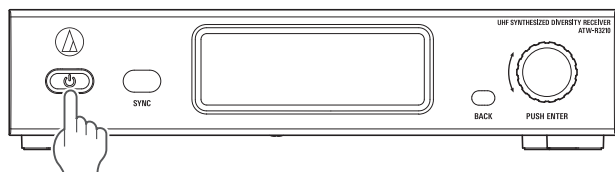
6 NAME
Displays the specified name.

7 Group

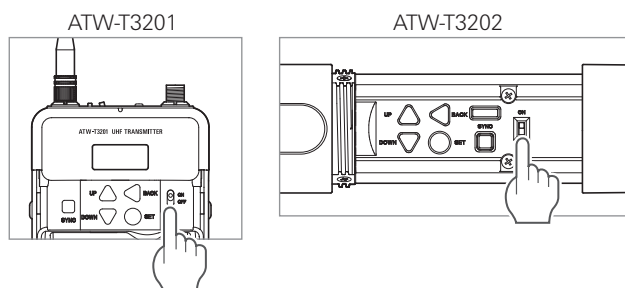
8 Channel

Basic operation

1. Turn the receiver (ATW-R3210) power on.
 - Display lights and the main screen appears.



2. Set the operating frequency.
3. Turn the transmitter (ATW-T3201/ATW-T3202) power on.
 - The indicator lights and the main screen appears.



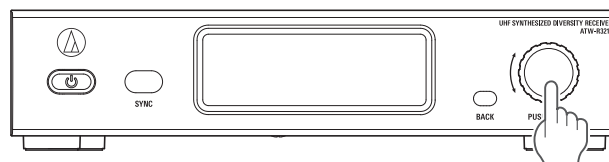
4. Check the RF level indicator.
 - Check that antenna A or B lights up.
5. Speak into the mic.
 - Make sure the AF level indicator lights up.

About settings

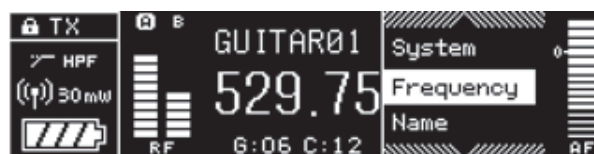
The various settings of this product can be made from the main menu.

ATW-R3201

1. Press the control dial.
 - The main menu is displayed.



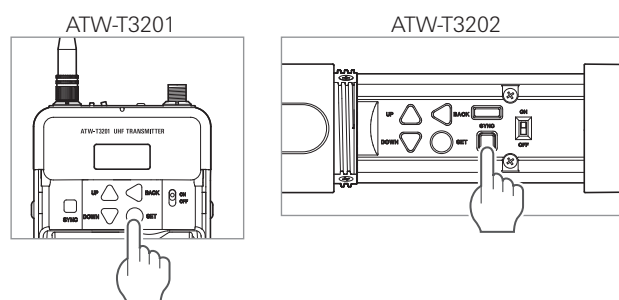
2. Turn the control dial to select the item you wish to set.



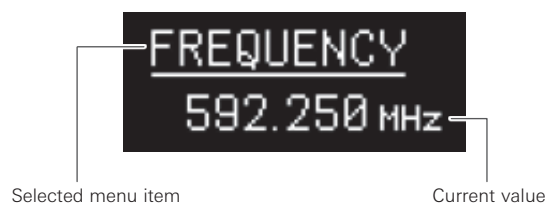
3. Pressing the control dial opens the settings menu of the selected item.
 - Press the BACK button to go back one screen.
 - To cancel part way through making a setting, press the BACK button.
 - While in the setting mode, the display will return to the main screen if 60 seconds pass without a button or the control dial being used.

ATW-T3201/ATW-T3202

1. Press the SET button.
 - The main screen mode is displayed.



2. Press the UP/DOWN button to select the item you wish to set.



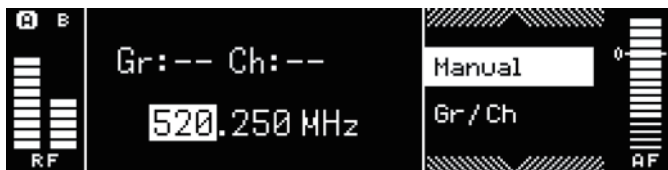
3. Pressing the SET button opens the settings menu of the selected item.
 - Press the BACK button to go back one screen.
 - To cancel part way through making a setting, press the BACK button.
 - While in the setting mode, the display will return to the main screen if 30 seconds pass without a button or the control dial being used.

ATW-R3201 Settings

Setting the operating frequency

Setting manually

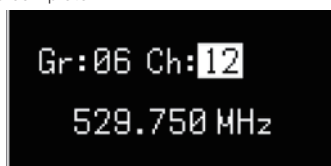
1. From the main menu, turn the control dial, select [Frequency] and then press the control dial.
2. Select [Manual] and then press the control dial.
3. Turn the control dial and set the first 3 digits. finished setting them, press the control dial.



4. Turn the control dial and set the last 3 digits. finished setting them, press the control dial.
 - The setting is complete.

Setting by group/channel

1. From the main menu, turn the control dial, select [Frequency] and then press the control dial.
2. Select [Gr/Ch] and then press the control dial.
3. Turn the control dial and set the group. finished setting them, press the control dial.
4. Turn the control dial and set the channel. finished setting them, press the control dial.
 - The setting is complete.



Setting NAME

The following characters can be entered:

- The maximum number of characters that can be entered is 8.
- The following characters can be entered:

Alphabetical characters (upper case)	Numbers
Symbols (+, -, #, &, period)	Space

1. From the main menu, turn the control dial, select [Name] and then press the control dial.
2. Turn the control dial to display the character you wish to set and then press the control dial.
 - The character is input and the cursor moves to the right.
3. Enter all the desired characters in the same way as in step (2).



4. Turn the control dial to select [End] and then press the control dial.
 - The setting is complete.

Setting the audio output level

- From the main menu, turn the control dial, select [Audio] and then press the control dial.
- Turn the control dial and set the audio output level.
 - The level changes 2dB +/- each time you turn the control dial.
 - It can be set from -60 to 0 dB.



- Press the control dial.
 - The setting is complete.

Setting transmitters via IR sync

This function allows you to make transmitter settings on the product and then automatically configure the transmitter via IR sync. Setting items and setting values are shown as follows.

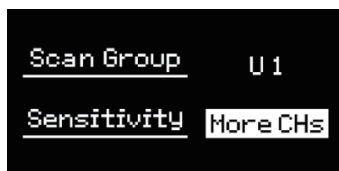
Item	Setting value
Freq	Current setting, No change
Name	Current setting, No change
RF Power	Low:10mW, High:30mW, No change
Gain	-10 to +20dBm, No change
Lock	Lock, No change
Battery	Alkaline, Ni-MH, No change
HPF	OFF, ON, No change

- From the main menu, turn the control dial, select [TX Setting] and then press the control dial.
- Turn the control dial to select each item and then press the control dial.
- Turn the control dial to select the setting value and then press the control dial.
- Turn the control dial to select [Scan Start] and then press the control dial.
 - A standby screen is displayed. Refer to "XXX" (p. XX).

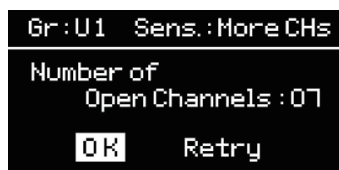
Scanning for free channel

Scan unused channels in the surrounding area currently being used.

- From the main menu, turn the control dial, select [Group Scan] and then press the control dial.
- Turn the control dial and set the group. After selecting the group, press jet control dial.
- Turn the control dial to select the scanning sensitivity. After selecting the scanning sensitivity, press jet control dial.
 - The scan starts.



- Confirm the scan result, turn the control dial to select [OK] and then press the control dial.
 - Select [Retry] to rescan.



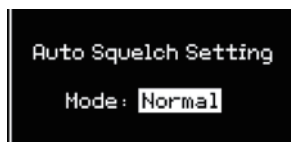
- Available channels and frequencies are displayed in a list. Turn the control dial to select free channels and then press the control dial.
 - The setting is complete.

Gr	Ch : Freq
U1	02:471.125
	03:472.250
	06:473.275
	09:474.200
More CHs	16:474.300

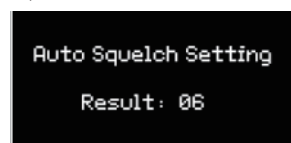
Setting the squelch level

Setting automatically

1. From the main menu, turn the control dial, select [Squelch] and then press the control dial.
2. Turn the control dial to select [Auto] and then press the control dial.
3. Turn the control dial to select [Normal]/[Range]/[Rubust] and then press the control dial.
 - The scan starts.



4. The scan result is displayed. Press jet control dial.
 - The setting is complete.



Setting manually

1. From the main menu, turn the control dial, select [Squelch] and then press the control dial.
2. Turn the control dial to select [Manual] and then press the control dial.
3. Turn the control dial to select the value you wish to set.
 - The meter indicates the RF level.
 - You can set it from 11 dBμV 35 dBμV.



4. Press jet control dial.
 - The setting is complete.

Setting the system-related functions

Setting the key lock

Set this function to prevent the product settings from being changed.

- The default setting is [OFF].
1. From the main menu, turn the control dial, select [System] and then press the control dial.
 2. Turn the control dial to select [Lock] and then press the control dial.
 3. Select the key lock and then press the control dial.
 - The setting is complete.



Setting the antenna power

This turns power on/off to the antenna input terminals

- The default setting is [OFF].
 - If set to [ON], power is supplied to both antennas A and B.
1. From the main menu, turn the control dial, select [System] and then press the control dial.
 2. Turn the control dial to select [ANT PWR] and then press the control dial.
 3. Turn the control dial to select [ON]/[OFF] and then press the control dial.
 - The setting is complete.



Setting group/channel editing

1. From the main menu, turn the control dial, select [System] and then press the control dial.
2. Turn the control dial to select [Gr/Ch Edit] and then press the control dial.
3. Turn the control dial to select the group and then press the control dial.
4. Turn the control dial to select the channel and then press the control dial.

Gr	Ch : Freq
U1	02 : 471.125 03 : 472.250 04 : 473.275 05 : --- --- 06 : 474.300
SET RESET	

5. Turn the control dial to select [SET]/[RESET] and then press the control dial.
 - Press [SET] to set the frequency of the selected channel.
 - Press [RESET] to blank the frequency of the selected channel.
6. After setting all the channels, select [SET]/[Sync] and press the control dial.
 - When selecting [SET], the setting is complete.
 - When selecting [Sync], IR sync standby is displayed after the setting is complete.

Gr	Ch : Freq
U1	30 : 471.125 31 : 472.250 32 : 473.275
SET RESET	Set Sync

Setting frequency back-up

1. From the main menu, turn the control dial, select [System] and then press the control dial.
2. Turn the control dial to select [Back-Up Ch] and then press the control dial.
3. Turn the control dial to select [ON] and then press the control dial.



4. Turn the control dial to select [Manual]/[Gr/Ch] and then press the control dial.
 - When [Manual] is selected, the frequency can be set.
 - When [Gr/Ch] is selected, the group/channel can be set.



5. Turn the control dial to select [SET]/[Sync] and then press the control dial.
 - When selecting [SET], the setting is complete.
 - When selecting [Sync], IR sync standby is displayed after the setting is complete.



Setting main screen layout

1. From the main menu, turn the control dial, select [System] and then press the control dial.
2. Turn the control dial to select [Main Display] and then press the control dial.
3. Turn the control dial to select [Frequency Mode]/[Name Mode]/[Gr/Ch Mode] and then press the control dial.
 - The setting is complete.



Setting main screen level mater

1. From the main menu, turn the control dial, select [System] and then press the control dial.
2. Turn the control dial to select [AT Meter] and then press the control dial.
3. Turn the control dial to select [RX]/[TX] and then press the control dial.
 - The setting is complete.



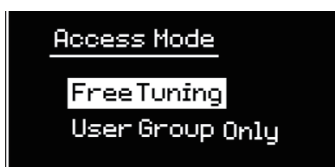
Setting display brightness

1. From the main menu, turn the control dial, select [System] and then press the control dial.
2. Turn the control dial to select [Brightness] and then press the control dial.
3. Turn the control dial to select [Hight]/[Low] and then press the control dial.
 - The setting is complete.



Setting user access level

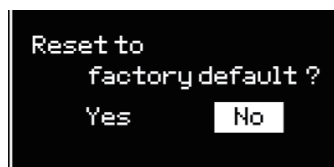
1. From the main menu, turn the control dial, select [System] and then press the control dial.
2. Turn the control dial to select [Access] and then press the control dial.
3. Turn the control dial to select [Free Tuning]/[User Group Only] and then press the control dial.
 - The setting is complete.



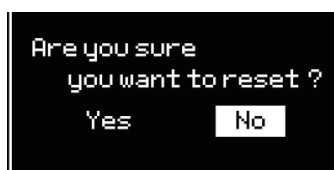
Resetting factory defaults

This returns the settings to their factory defaults.

1. From the main menu, turn the control dial, select [System] and then press the control dial.
2. Turn the control dial to select [Reset] and then press the control dial.
3. Turn the control dial to select [Yes] and then press the control dial.



4. After the confirmation screen is displayed, turn the control dial again to select [Yes] and press the control dial.
 - Reset starts.



Checking the product information

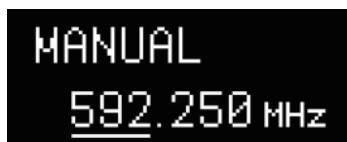
This function displays product information.

1. From the main menu, turn the control dial, select [System] and then press the control dial.
2. Turn the control dial to select [Version] and then press the control dial.

ATW-T3201/ATW-T3202 settings

Setting the transmission frequency

1. From the main menu, press the UP/DOWN button to select [FREQUENCY] and then press the SET button.
2. Select [MANUAL] and press the SET button.
3. Press the UP/DOWN button and set the first 3 digits. After completing the setting, press the SET button.

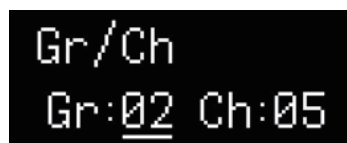


MANUAL
592.250 MHz

4. Press the UP/DOWN button and set the last 3 digits. After completing the setting, press the SET button.
 - The setting is complete.

Setting group/channel

1. From the main menu, press the UP/DOWN button to select [FREQUENCY] and then press the SET button.
2. Select [Gr/Ch] and press the SET button.
3. Press the UP/DOWN button and set the group. After completing the setting, press the SET button.



Gr/Ch
Gr:02 Ch:05

4. Press the UP/DOWN button and set the channel. After completing the setting, press the SET button.
 - The setting is complete.

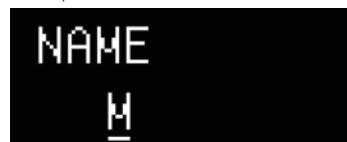
Setting NAME

The following characters can be entered:

- The maximum number of characters that can be entered is 8.
- The following characters can be entered:

Alphabetical characters (upper case)	Numbers
Symbols (+, -, #, &, period)	Space

1. From the main menu, press the UP/DOWN button to select [NAME] and then press the SET button.
2. Press the UP/DOWN button to select the character you want to set and then press the SET button.
 - The character is input and the cursor moves to the right.



NAME
M

3. Enter all the desired characters in the same way as in step (2).
 - If you do not enter 8 characters, press the UP / DOWN button, select [End], and press the SET button

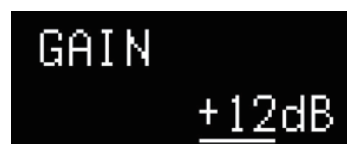


NAME
MURAYAMA

4. At the 8th character, press the SET button.
 - [End] is displayed.
5. Press the SET button.
 - The setting is complete.

Setting gain

1. From the main menu, press the UP/DOWN button to select [GAIN] and then press the SET button.
2. Press the UP/DOWN button and set the gain.
 - The level changes 2 dB +/- each time you press the UP/DOWN button.



GAIN
+12dB

3. Press the SET button.
 - The setting is complete.

Setting RF output

1. From the main menu, press the UP/DOWN button to select [RF POWER] and then press the SET button.
2. Press the UP/DOWN button and select RF output as [Low: 10 mW]/[High: 30 mW]/[OFF].



RF POWER
High: 30mW

3. Press the SET button.
 - The setting is complete.

Setting HPF (High Pass Filter)

1. From the main menu, press the UP/DOWN button to select [HPF] and then press the SET button.
2. Press the UP/DOWN button to select [ON]/[OFF].



HPF
On

3. Press the SET button.
 - The setting is complete.

Setting key lock

1. From the main menu, press the UP/DOWN button to select [LOCK] and then press the SET button.
2. Press the UP/DOWN button to select [Lock]/[Unlock].



LOCK
Unlock

Lock	Keys locked
Unlock	Keys unlocked

3. Press the SET button.
 - The setting is complete.

Setting button mode

The function is assigned when RECALL/Multi function button is pressed and hold.

1. From the main menu, press the UP/DOWN button to select [BUTTON MODE] and then press the SET button.
2. Press the UP/DOWN button to select the item you wish to set.



BUTTON MODE
Normal Mute

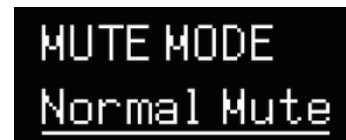
Disable	No function
Normal Mute (only for ATW-T3202)	Muted
Forced Mute (only for ATW-T3202)	Mute in on when key is locked.
BKUP CH	Frequency backup mode (When selected, frequency, group, and channel are set.)
RF Off	RF output is OFF.

3. Press the SET button.
 - The setting is complete.

Setting mute mode (only for ATW-T3201)

Set the MUTE switch function.

1. From the main menu, press the UP/DOWN button to select [MUTE MODE] and then press the SET button.
2. Press the UP/DOWN button to select the item you wish to set.



MUTE MODE
Normal Mute

Normal Mute	Muted
Forced Mute	Mute in on when key is locked.
Disable	No function

3. Press the SET button.
 - The setting is complete.

Setting the system-related functions

Setting battery

Set the type of batteries used.

1. From the main menu, press the UP/DOWN button to select [System] and then press the SET button.
2. Press the UP/DOWN button to select [BATTERY] and then press the SET button.

3. Press the UP/DOWN button to select battery type.

Alkaline	Select for alkaline batteries
Ni-MH	Select for nickel-metal hydride batteries

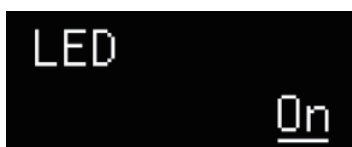


4. Press the SET button.
 - The setting is complete.

- If the appropriate setting is not made for the batteries used, the battery power indicator does not display the correct information. Always set the type of battery according to the batteries used.

Setting LED

1. From the main menu, press the UP/DOWN button to select [System] and then press the SET button.
2. Press the UP/DOWN button to select [LED] and then press the SET button.
3. Press the UP/DOWN button to select [ON]/[OFF].



4. Press the SET button.
 - The setting is complete.

Setting user access level

1. From the main menu, press the UP/DOWN button to select [System] and then press the SET button.
2. Press the UP/DOWN button to select [ACCESS] and then press the SET button.

3. Press the UP/DOWN button to select [Free]/[User Group].

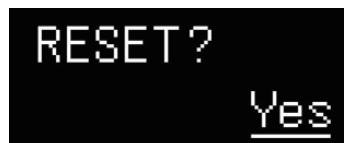


4. Press the SET button.
 - The setting is complete.

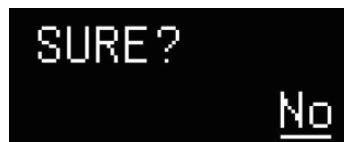
Resetting factory defaults

This returns the settings to their factory defaults.

1. From the main menu, press the UP/DOWN button to select [System] and then press the SET button.
2. Press the UP/DOWN button to select [RESET] and then press the SET button.
3. Press the UP/DOWN button to select [Yes].



4. After the confirmation screen is displayed, press the UP/DOWN button again to select [Yes].



5. Press the SET button.
 - Reset starts.

Checking the product version

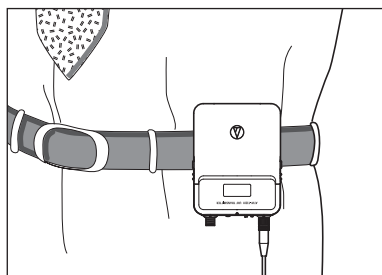
This function displays product version.

1. From the main menu, press the UP/DOWN button to select [System] and then press the SET button.
2. Press the UP/DOWN button to select [VERSION] and then press the SET button.
 - The version is displayed.

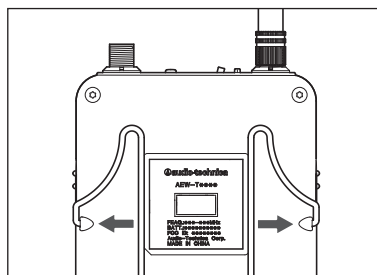


Attaching the product to user's body (ATW-T3201)

The product is equipped with a clip. Use that to attach the product to a belt, pocket or other piece of clothing that will hold it.



You can reverse the direction that the input connector faces by attaching the clip in the opposite direction.



Pull both sides of the clip firmly to the outside to remove the clip from the product.

Making connections (basic connections)

This example is of connections made when using one ATW-R3201.

When connecting more than one ATW-R3201 via a distributor (sold separately), refer to the distributor's user manual.

