Manuals+ — User Manuals Simplified.

Atlas Air WAM100-2 Air Digital Wireless Intercom Instruction Manual

Contents

Atlas Air WAM100-2 Air Digital Wireless Intercom

Product Information

The Atlas Air Digital Wireless Intercom is a communication device designed for group communication. It features a compact design with easy-to-use controls and provides clear audio transmission.

Specifications

- Manufacturer/Country: Shown below
- Date of manufacturing: Marked separately
- Model Name: Shown below
- Input Rating: Shown below
- Identification Code: Shown below

Product Usage Instructions

Caution

- Do not put sharp, hard materials into the connector hole when using this product.
- Do not attempt to apart or repair the Atlas Air yourself.
- Avoid leaving the Atlas Air in a vehicle in hot or cold weather.
- Do not leave the Atlas Air in a closed area for a long period of time, as it may result in deformation or malfunction.
- Only use the provided charger and cable for charging. Using a third-party charger may cause explosion, fire, or malfunction.
- If you smell something like smoke from the Atlas Air, stop using it immediately.
- If exposed to the risk of fire, stop using the Atlas Air and consult the customer center.
- Avoid using third-party components, as they may cause breakdown or malfunction.
- Do not apply strong pressure on the product, as it may cause breakdown or damage.
- Clean the product with a soft cloth regularly to maintain its quality.
- If the Atlas Air submerges under water, do not attempt to apart or repair it yourself. Turn off the power and contact the customer service center.

Function

1. **Power:** Use the PWR button to power on or off the device.
2. **Current Setting Display:** The upper display shows the current connection or stand-by status with twelve bars.
3. **User Number:** Displays the user number assigned to your device.
4. **Channel:** Displays the current channel number. For master devices, "M" is displayed.
5. **Battery:** Indicates the current battery level. The battery icon blinks when the battery is running low.

Note: If the device is left in standby mode for half an hour, it will automatically turn off for power-saving. Standby status means the device is ready for pairing (No connection).

Volume Setting: Adjust the volume level from 0 to 8. Volume 0 means no audio volume.

User Number Setting: Assign a user number to your device. User numbers range from User 1 to User 12.

- Step 1: Press and hold the button to go to the Menu and choose option 8 (User).
- Step 2: Select a user number between User 1 and User 12 using the PTT button.
- Press the PTT button again to confirm the selection and complete the user number setting.

Note: There should be one Master Device for group communication. Press and hold the PTT button for transmission in PA mode.

Atlas Air operates in the license-free 900MHz ISM band.
Atlas Air subject to the Rules and Regulations of the FCC.
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.

NOTE:THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE 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.

Caution

- Do not put sharp, hard materials into the connector hole when using this product.

- Do not put apart or repair Atlas Air yourself.
- Do not leave Atlas Air in a vehicle in hot or cold weather.
- Leaving Atlas Air in a closed area for a long period of time may result in deformation or malfunction of this product.
- For charging use only the provided charger & cable. Using a third party charger may cause explosion, fire or malfunction.
- Stop using Atlas Air immediately if you smell something like smoke from this.
- Stop using Atlas Air immediately when exposed to risk of fire and call the customer center and consult if you can use Atlas Air at the environment.
- Please do not use third party's components.
- If you use a third party component, it could cause breakdown or malfunction.
- Be careful not to apply strong pressure on this product, which may cause breakdown or damage to the product.
- If dirt slips in, the quality could decline, so make sure to clean the product with soft cloth often.
- If Atlas Air submerges under water, don't put apart or repair it yourself. Please turn the power off and call our customer service center.

Certification

- Identification Code: Shown below
- Company Name:
- Manufacturer/Country:
- Date of manufacturing: Marked Separately
- Model Name: Shown Below
- Input Rating:Shown Below
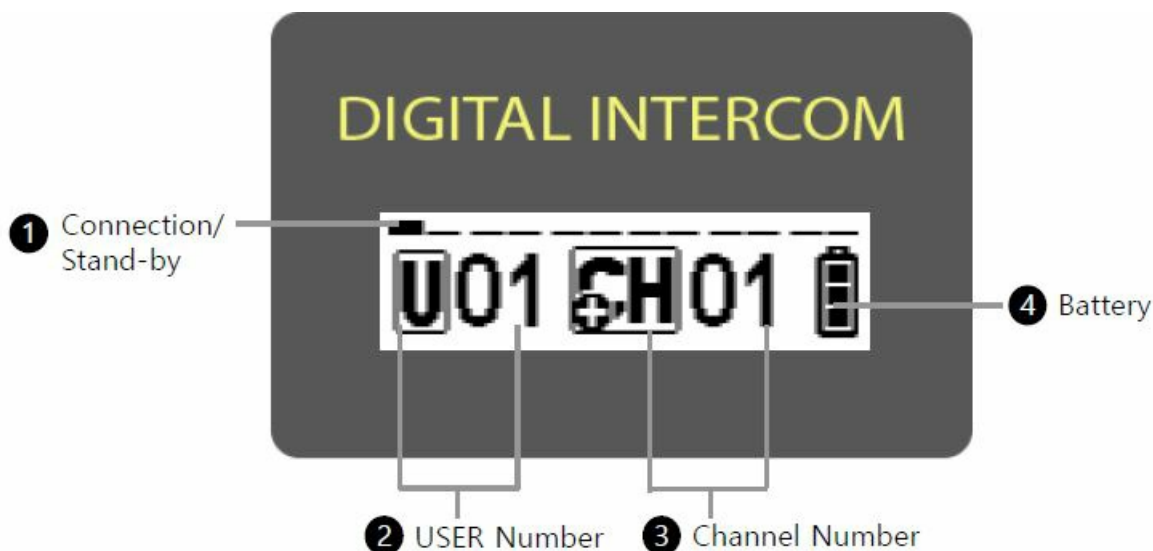- Date of Manufacture:Separately Shown

Introduction

LEFT

RIGHT

Function

Power
Power on, off with PWR button

Current Setting Display

1. **Connection/Stand-By:** Twelve bars on the upper display shows connection or stand-by

   .

2. **User Number:** it shows the user number that your device is set to.

3. **Channel:**

   means the current channel number that your device is set to.

   If you are a master device,

   is displayed.

4. **Battery:** It indicates current battery level.

   When battery is running low, the battery ICON is blinking.

Note
If device is left in standby mode for half hour, it is automatically turned off for power-saving.
Standby statusmeans the device is ready for pairing (No connection)

Volume Setting
Volume level ranges from 0 to 8.
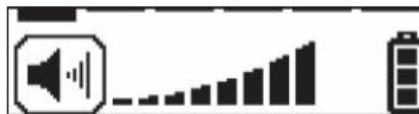
⚠ Note

Volume 0 means no audio volume

User Number Setting
User Number ranges from User 1 to User 12.
Each device takes one user number, and user number for devices should be different from one another.

STEP 1

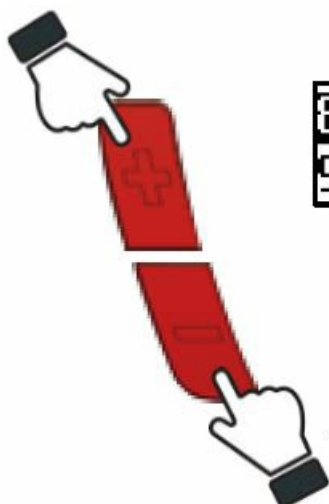Press&hold [M] button to go to Menu and then choose "8. User".

8.User
9.Information

Press PTT button
to select

STEP 2
Choose between "User 1" and "User 12"

8.User
9.Information
↓
□User 1
User 2

Press PTT button
to complete

Note

- There should be one Master Device for group communication.

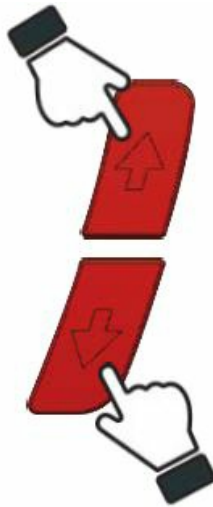- Press&hold PTT button for transmission in "PA mode".

Channel Setting
Devices should be set to same channel number for communication.
If there are multiple communication groups in the same channel nearby, set channel number different from other groups to avoid potential interference.

STEP 1
Choose between "Channel 1" and "Channel 6"

Select a channel number by pressing Channel Up or Down button

Pairing (Grouping)
Below pairing procedure should be done to establish communication group.

STEP 1
Pairing is made between a master device and rest devices.
Each device needs to be set to a different user number than others

STEP 2
Press&hold ' ' button to go to Menu and then select "7. Pairing".
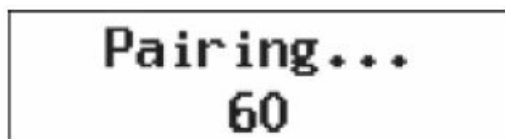

Push PTT button
to select

STEP 3

Once pairing is done, paired devices go to stand-by display.
If you press 'M' button while pairing is being processed, the pairing is canceled and these devices go to stand-by display.


```
Pairing...
    60
```

Note
Pairing is cancelled if not done within 60 seconds.

Noise Cancel
You can minimize surrounding noise with this function.

STEP 1

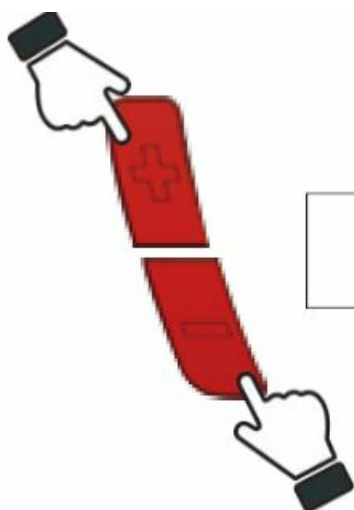Press&hold button to go to menu and then select" 1. Noise Cancel "


```
1.Noise Cancel
2.Beep Sound
```

Push PTT button
to select

STEP 2
Choose between "0" and "8" Noise Cancel is off at 0.


```
Noise Cancel
     3
```

Push PTT button
to select

Beep Sound
You can turn on or off warning sound and button sound depending on user's preference.

STEP 1

Press&hold button to go to menu and select " 5. Beep Sound ".

Push PTT button to select

STEP 2

Choose between "Enable" and "Disable"
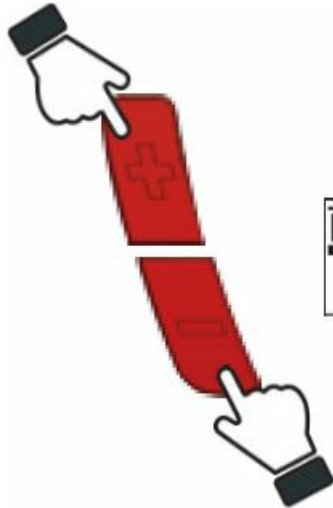
Push PTT button to select

Display Brightness Setting

You can adjust display brightness level.

STEP 1

Press&hold button to go to menu and then select " 3. Brightness .

Push PTT button to select

STEP 2

Choose between "0" and "8".

Brightness
5

Push PTT button
to select

Mic Level

You can adjust the Microphone Volume level. With this function your voice transmission is clearer if you set it right, depending on your voice level.

STEP 1

Press&hold button to go to menu and then select " 4. Mic Level "

4.Mic Level
5.Side Tone

Push PTT button
to select

STEP 2

Choose between "0" and "8" (The higher number you choose, the higher microphone volume it transmits)
"Mic Level" 0 means microphone is mute

Mic level
6

Push PTT button
to select

Side Tone

You can turn on or off Side Tone function.
If you turn on the Side Tone, you can hear what you are saying at real time.

STEP 1

Press&hold [M button image] button to go to menu and then select " 5.Side Tone

Push PTT button to select

Rotation
The menu window returns to the first without stopping at the end number.

STEP 1

Press&hold [M button image] button to go to menu and then select " 6.Rotation

Push PTT button to select
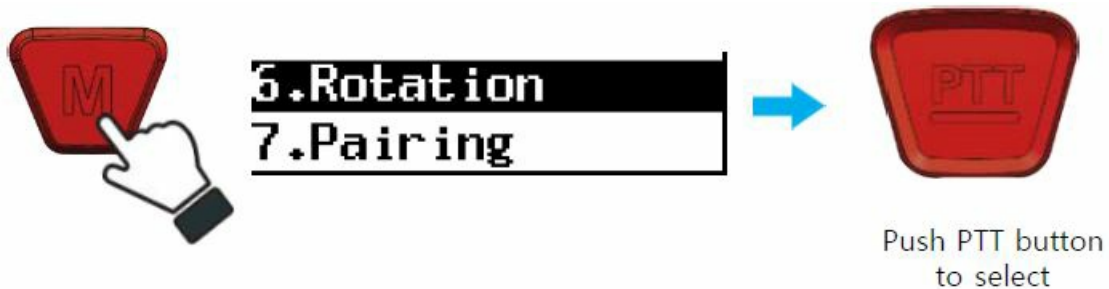
Information
You can check the device's version

STEP 1

Press&hold [M button image] button to go to menu and then select " 8.Information.

Push PTT button to select
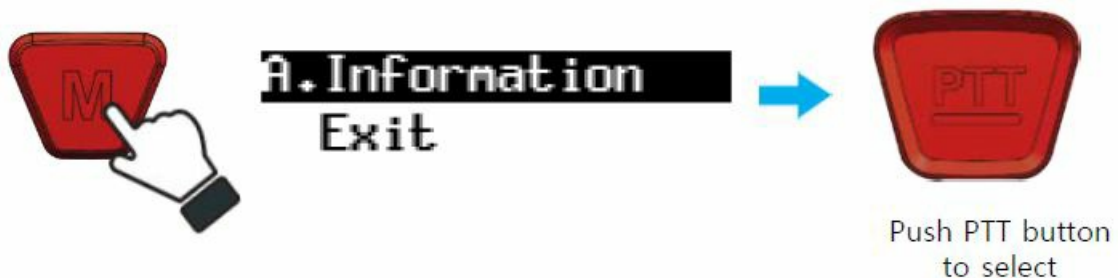
PA Mode (PTT Button)

User 1-12 can use PA mode by using below PTT button When it selected "PA Channel".
It can be broadcast during the "Talk Time" time set by the PC Program and re-broadcast after the "Suspend Time" has elapsed. If you set "Alert Time", an alert will occur before the broadcast time expires.

- Talk Time: Time to broadcast on PA channel (10~40s)

- Alert Time: Warning alarm time before end of broadcast (disable,1~20s).
- Suspend Time: Rest time from the end of broadcast to re-broadcast (5~.40s)

Push PTT button to select

Mic Mute
User 1~12 can mute microphone by pressing 'M' button shortly. Users only listen if they mute microphone.

Push 'M' button to activate/deactivate mute.

Push 'M' button to activate/deactivate mute.

How to reset in case of malfunction

Press these buttons together at the same time. Then the device goes off.

Note
Be careful not to press these buttons together during normal operation.

How to charge
When charging, orange color is displayed and the green light turns on when the device is fully charged.

Note

- Please use only the provided charging adapter or use 5V / 2A adapter or higher than that.
- The battery level indication while on charge could be different from the actual battery level.
- Please make sure to turn off the device before charging it to get it fully charged.

FAQ

Following is the list of frequent questions and answer.

1. I can't communicate with other devices.
   - Check if your device is paired with Master Device.
   - In your group, check if Master Device exists.
2. I cannot join a group communication.
   1. Check if other users are connected on the display.
   2. Check if there is a Master Device in the group.
   3. You might be too far from Master Device to get the signal from it. .
3. I cannot turn on the device.
   1. I cannot turn on the device.
4. I lost connections sometimes.
   1. Check if other users are connected on the display.
   2. Check if someone is using the same user number as mind
5. Other users' voice sounds broken.
   1. Check if the distance between the users is too far.
6. 6 Other users can barely hear my voice.
   1. Check if you set MIC level low.
   2. Check if the headset' microphone is a little far from your mouth

Specification & Caution

Frequency	902MHz~928MHz
Transmission Distance	1Km (Line of Sight)
Battery Lifetime	10Hour
Battery	Rechargeable Li-ion 3.7V Battery
Transmission Output	250mW / 1W
Weight	445g
Size	Width(w) : 177mm Height(h) : 220mm Thickness(t) : 84.3mm
Working Temperature	-10/+50℃
Modulation System	FSK
Transmission Method	TDMA

- The function may change without notice for product improvement purpose.
- Transmission distance may vary depending on the surroundings' obstacles and humidity.

Caution

Please make sure to read through the below safety requirements before using this product. If these are not followed well, incidents like fire or explosion may happen.

- DO NOT separate / modify the antenna or DO NOT use the modified antenna.
  It degrades performance of the device, which results in serious breakdown as the intercom generates strong radio wave through the antenna.
- Only the provided charging adapter and headset are acceptable to use
  with this device, so DO NOT use a third-party adapter and headset. Otherwise, the battery will be damaged and there will be a malfunction of the device.
- Use this device only for communication (NOT for other purposes).
- Do not take apart or modify this device yourself. Otherwise, this could result in a malfunction which our warranty doesn't cover. Also, you might be subject to a penalty according to a relevant communication law.
- Do not change the frequency or use other frequency than the allowed frequency. Otherwise, you might be subject to a penalty according to a relevant communication law.
  - Try not to put strong physical shocking to this device.
  - Keep it out of direct sunlight and high humidity.
  - DO NOT leave the device in a car in the summer.

Warning

FCC Information to User

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 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.

Caution
Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Do not use the device while charging.

FCC Compliance Information
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.
This device was tested in compliance with FCC RF Exposure limit. (0 mm distance from human head (limit 8 W/kg @ 1g SAR) and extremity (limit 20.0 W/kg @ 10g SAR))

Documents / Resources

[Atlas Air WAM100-2 Air Digital Wireless Intercom](#) [pdf] Instruction Manual
2AO37-ATLASAIR, 2AO37ATLASAIR, atlasair, WAM100-2 Air Digital Wireless Intercom, Digital Wireless Intercom, Wireless Intercom, Intercom