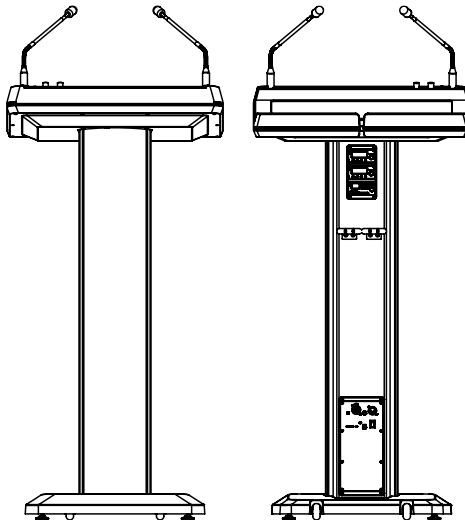


CHIAYO

Operation manual

LECTERN PRO

Multifunctional Wireless Lectern
Amplifier



Important safety instructions

- Read all of the instructions before the product is operated.
- Keep these instructions well for future reference.
- Follow all of the warnings and instructions when installing, setting up and using the product.
- Only clean the product when it is not connected to the power supply system. Clean only with a dry cloth.
- Keep ventilation openings unblocked and follow with the manufacturer's instructions for installation.
- Do not immerse product in any liquid or expose to heat or moisture
- Keep the complete polarized or grounding type plug without any modification. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Power supply cords should be well routed to prevent from being walked on or pinched by items placed upon or against them, particularly at plugs, convenience receptacles, and the point where they exit from the product.
- Use only manufacturer authorized or recommended accessories.
- Use only with a cart, stand, tripod or accessories specified or provided by Chiayo. Be careful when using a cart to avoid injury from tip-over.
- Unplug the product during an electrical storm or when unused for long periods of time.
- Never disassemble, modify or service the product. Any unauthorized modifications may result in personal injury and/or product failure. Additionally, your warranty will be void.
- Please read and follow the instructions in this manual thoroughly to obtain optimum results from this unit. We also recommend that you keep this manual handy for future reference.

Warning

Please read and follow the instructions in this manual thoroughly to obtain optimum results from this unit. We also recommend that you keep this manual handy for future reference.

Safety Precautions

- Be sure to read the instructions in this section carefully before use.
- Make sure to observe the instructions in this manual as the conventions of safety symbols and messages regarded as very important precautions are included.

Safety symbols and messages described below are used in this manual to prevent bodily injury and property damage which could result from mishandling. Before operating your product, read this manual first and understand the safety symbols and messages so you are thoroughly aware of the potential safety hazards.



WARNING

Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.



CAUTION

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

Make sure to observe the following handling precautions so that a fire or personal injury does not result from leakage or explosion of the battery.

- Do not short, disassemble, heat or put the battery into a fire.
- Never charge batteries of the type which are not rechargeable.
- Do not solder a battery directly.
- Be sure to use the specified type of battery.
- Note the correct polarity when inserting a battery in the unit.
- Avoid locations exposed to the direct sunlight, high temperature and high humidity when storing batteries.



WARNING

To prevent the electromagnetic wave from badly influencing medical equipment, make sure to switch off the unit's power when placing it in close proximity to the medical equipment.



CAUTION

Battery discharge naturally according to a certain pattern even not in use. For best performance and a prolonged lifespan, battery **should** be charged regularly after every use or every three months when the system is in storage and not being used! CD player optical pick up head is a very delicate device and sensitive to humidity. Please avoid using it in high humidity area to avoid damage!

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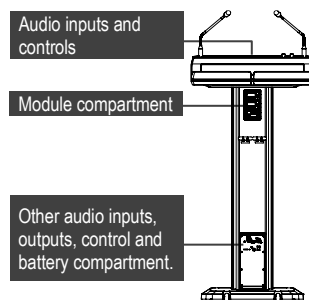
1. Instruction

Congratulations and thank you for purchasing this all-in-one lectern sound system. To ensure a trouble-free operation, please read the manual thoroughly to fully understand its controls and functions.

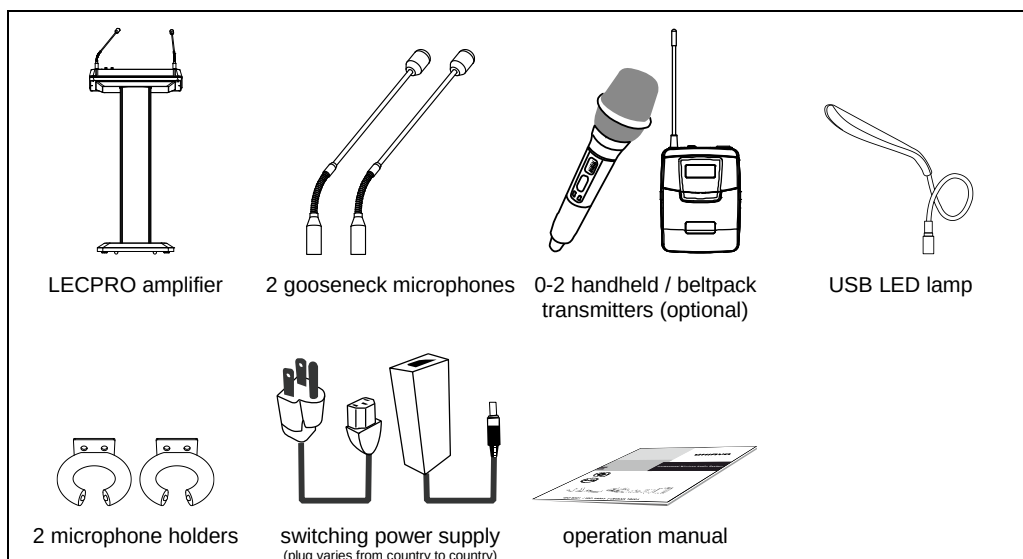
The lectern sound system is divided into 3 sections:

1. Audio inputs and controls
2. Module compartment
3. Other audio inputs, outputs, control and battery compartment.

The Modules Compartment can be user configurable and user can access the battery compartment to change battery.



1-1. In the box



1-2. Optional related products

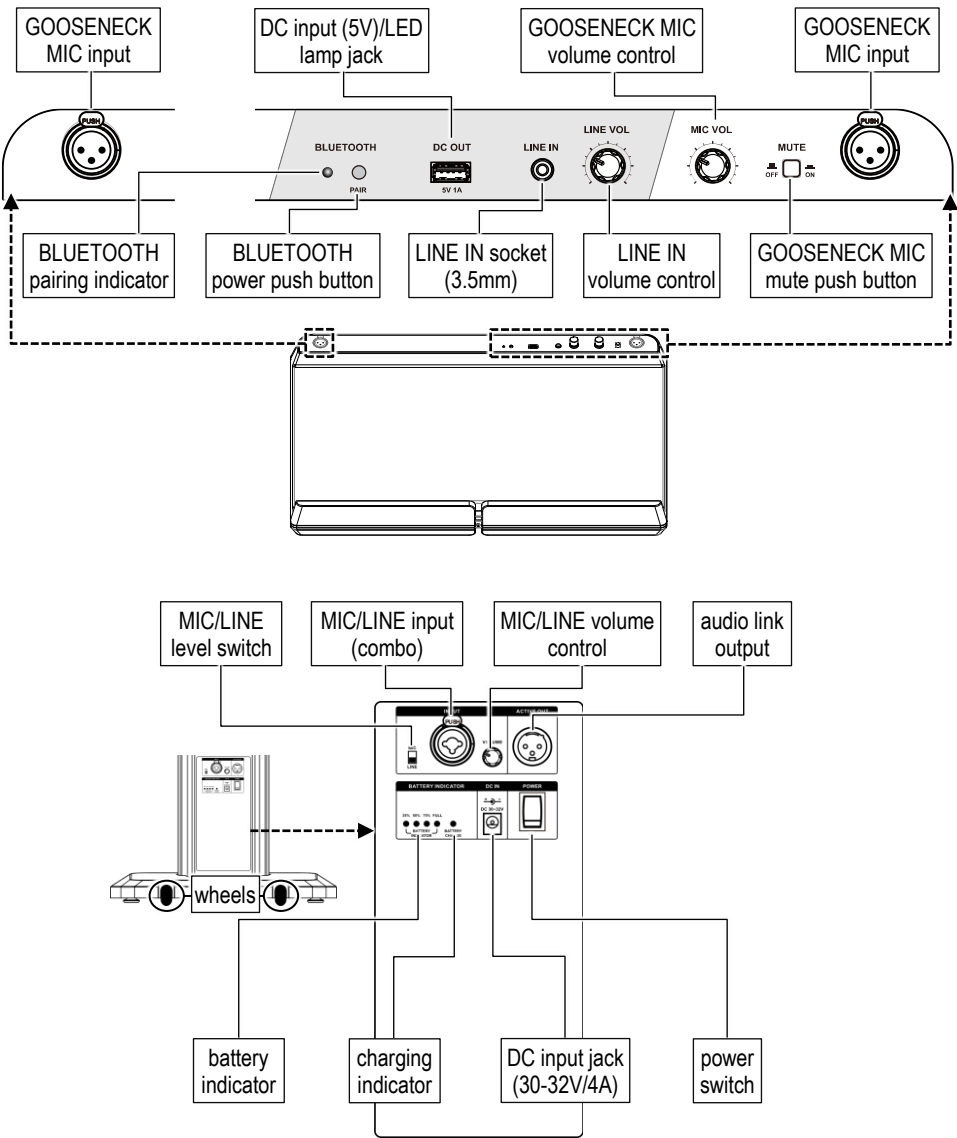
Modules & transmitters

SDR-8200M IrDA	UHF 2-Way Sync True Diversity Receiver Module	SQ-6100 IrDA	Rechargeable Handheld Wireless Microphone
		SQ-5100 IrDA	
		SM-6100 IrDA	
DPR-500m	MP3 Recorder Player Module		Rechargeable Belt-pack Transmitter

Accessories

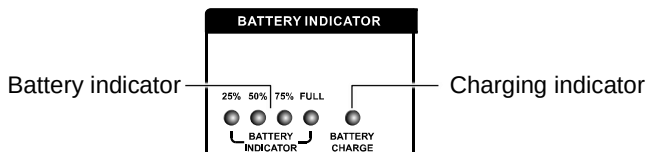
USB LED lamp		DM-series	Wired microphone, please refer to CHIAYO website.
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1-3. Parts and functions



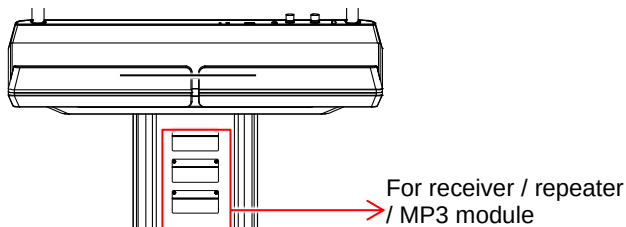
1-4. Charging the battery

This amplifier uses one lithium battery. The battery power is leveled from 25%, 50%, 75% and FULL. If the LED stays at 50%, the battery might not be sustainable for long operation.

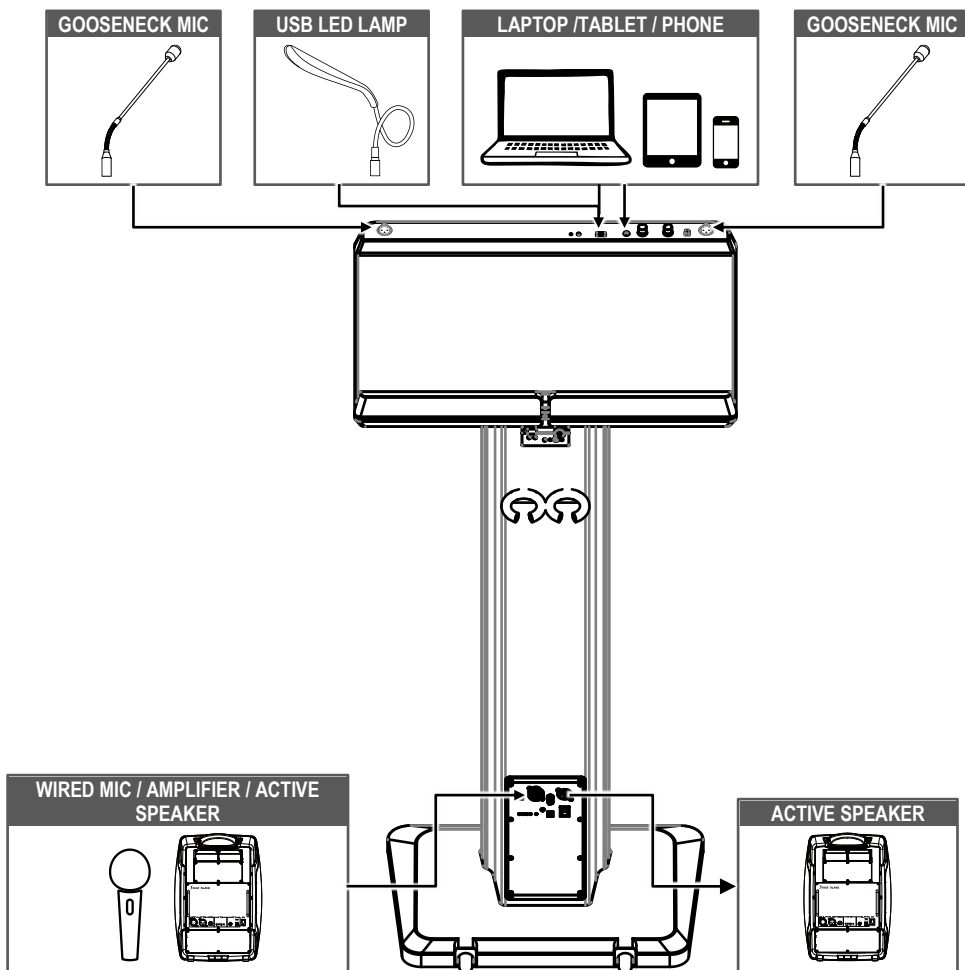


Charging indicator	Condition
Flashes RED	During recharging
Solid GREEN	Fully charged
Solid YELLOW	Error or no battery detected

1-5. Module compartment



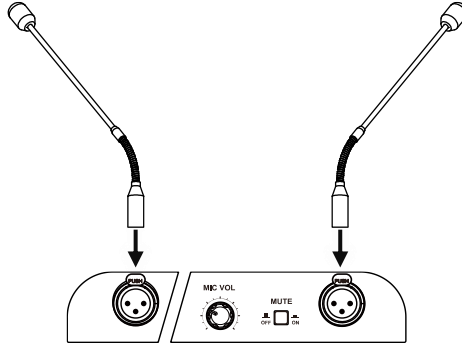
1-6. Connection with external audio sources



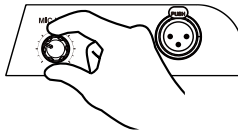
2. Settings and Operations

2-1. Using the gooseneck microphone

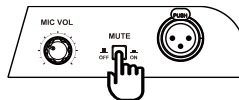
- 1 Plug two gooseneck microphones to the XLR jacks on both sides.



- 2 Turn on master power and then adjust the **MIC VOL** to set both microphones to a desired volume level.



- 3 The MUTE push switch can disable and enable talking to the microphone.

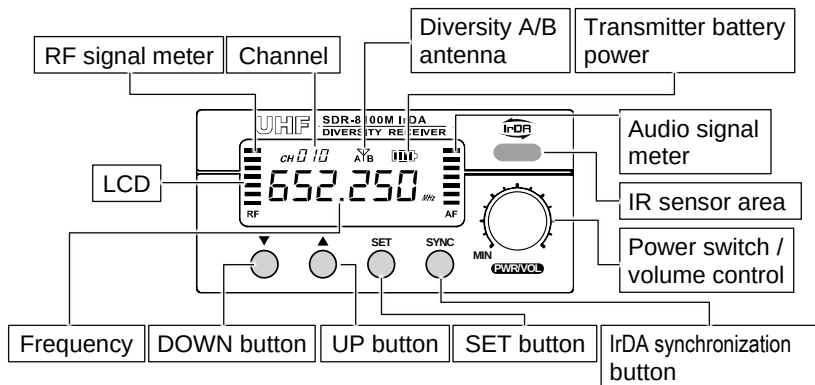


 → Muted and talking disabled

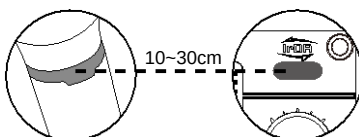
 → Talking enabled

2-2. Using the wireless receiver

2-2-1. Parts and functions



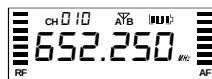
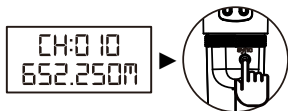
2-2-2. Channel synchronization of the receiver and transmitter



Align infrared areas of the receiver and transmitter within 10~30cm.

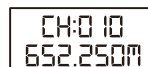
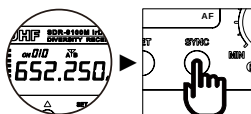
■ Changing receiver's channel

- 1 Press the synchronization button of the transmitter.
- 2 The transmitter's LED will glow to denote synchronization signal transmitted.
- 3 The channel number on the receiver's LED will become the same as the transmitter's, which means the receiver has been successfully synchronized.



■ Changing transmitter's channel

- 1 Press the SYNC button of the receiver.
- 2 The transmitter's LED will glow to denote synchronization signal received.
- 3 The channel number on the transmitter's LCD will become the same as the receiver's, which means the transmitter has been successfully synchronized.

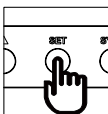
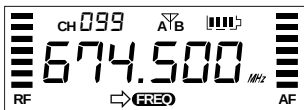
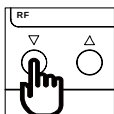


If it doesn't work check that you have the IR sensor panels aligned, that they are facing each other, devices are within 10~30cm of each other, and try again.

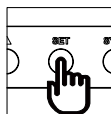
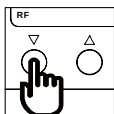
2-2-3. Channel scanning

For an interference- free operation, a cleaner channel might be necessary if the current one receives too much interference. To operate the scanning:

- 1 Press ▼(down) or ▲(up) button to make the frequency icon **FREQ** appear on the bottom.
- 2 Hold **SET** button until this icon **FREQ** flashes to denote readiness for setting.



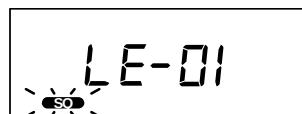
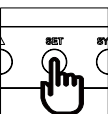
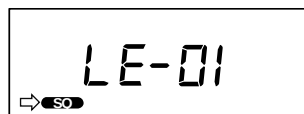
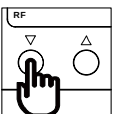
- 3 Press ▼(down) or ▲(up) button to find and locate a clear, interference- free channel.
- 4 After a channel is chosen, press **SET** button or wait 5 seconds to store the setting.



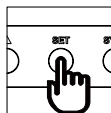
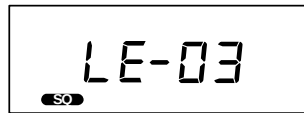
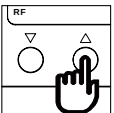
2-2-4. Squelch (SQ) setting

When interference is encountered try reducing the sensitivity of the receiver, thus less susceptible to interference. To operate the squelch setting:

- 1 Press ▼(down) or ▲(up) button to turn to the squelch setting page.
- 2 Hold **SET** button until this icon **SQ** flashes to denote readiness for setting.



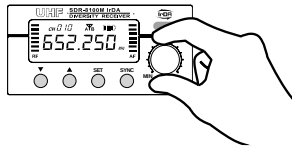
- 3 Press ▼(down) or ▲(up) button to select a new squelch level between 1 and 10. The default level is **01**.
- 4 After a level is chosen, press **SET** button or wait 5 seconds to store the setting.



Since increasing the squelch level will also reduce the reception distance, it's recommended to choose the lowest level that can eliminate the interference. If this still does not solve the problem it means this frequency is not suitable. Adjust the squelch back to its default level (**LE-01**) and use the scan function to locate a clear, interference-free channel.

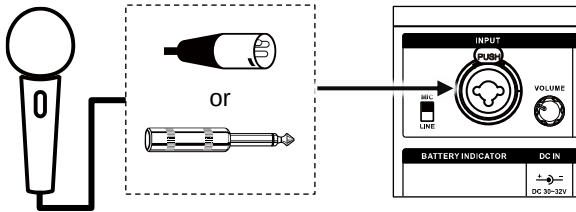
2-2-5. Volume setting

Turn on master power and then adjust its individual volume control to a desired level.

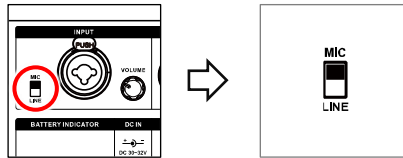


2-3. Using the wired microphone (INPUT)

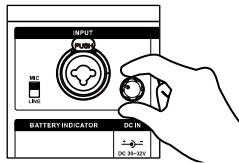
- 1** Plug a wired microphone with a 6.3mm or XLR connector to **INPUT**.



- 2** Slide **MIC/LINE** switch to **MIC** position.

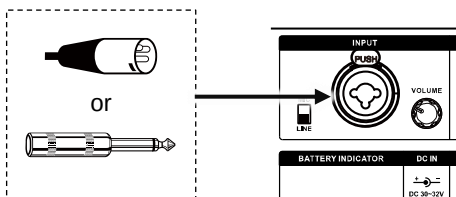


- 3** Turn on master power and then adjust its individual volume control **VOL** to a desired level.

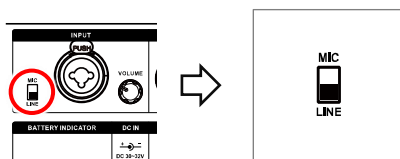


2-4. Using external audio (INPUT)

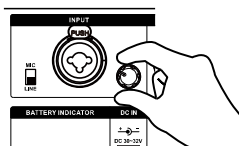
- 1 Connect the equipment by plugging its 6.3mm or XLR connector to **INPUT**.



- 2 Slide **MIC/LINE** switch to **LINE** position.

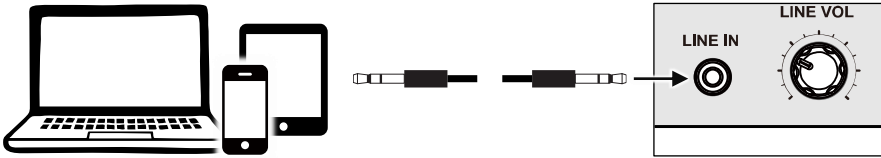


- 3 Turn on master power and then adjust its individual volume control **VOL** to a desired level.

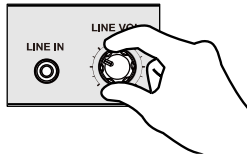


2-5. Music audio input (LINE IN)- Laptop / Smart phone / tablet

- 1** Plug the audio cable a 3.5mm phone plug to the 3.5mm jack of **LINE IN**.

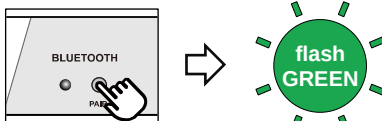


- 2** Turn on master power and then adjust its individual volume control **LINE VOL** to a desired level.

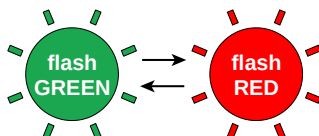


2-6. Operating Bluetooth receiver (BLUETOOTH)

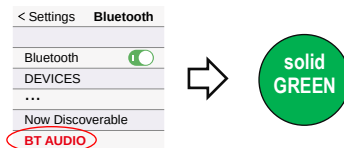
- 1 Turn on master power and then press the PAIR button 3 seconds to turn on the BLUETOOTH receiver. The pairing indicator will flash green.



Approximately 9 seconds later, the pairing indicator flashes green and red, which means it is ready for pairing.



- 2 Activate BLUETOOTH on your device (phone, tablet, PC., etc) and pair with external BLUETOOTH device named "**BT AUDIO**". After successful linking, the pairing indicator will be solid green and you can play your music on **LECTERN PRO**.



- 3 Adjust the media volume to a desired level on your device.



Important

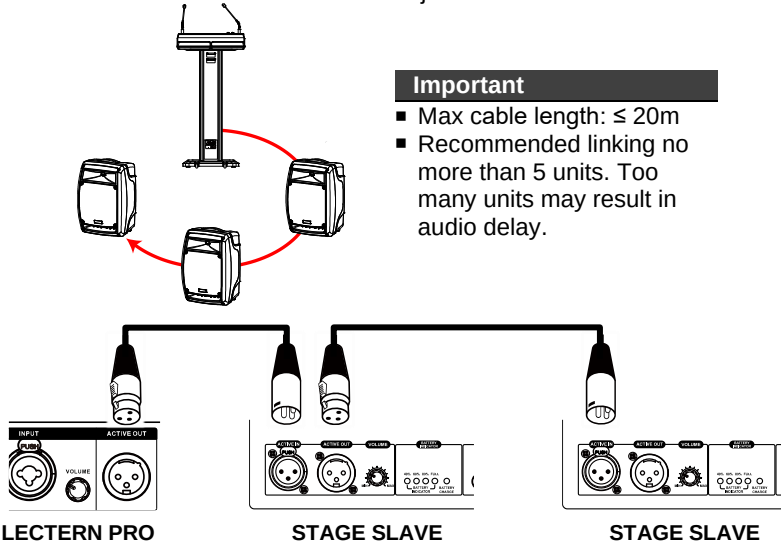
- The BLUETOOTH automatically turns off after no pairing for 5 minutes.
- Press PAIR button for disconnection and getting ready for new pairing.
- The BLUETOOTH can memorize and automatically connect to last-paired device.

3. Application

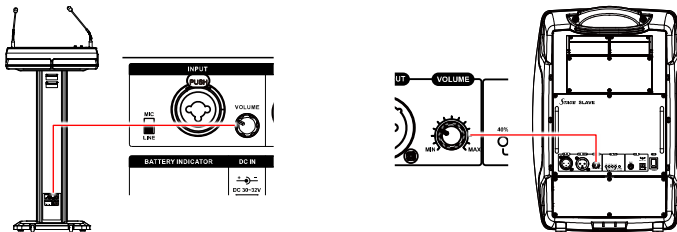
3-1. Active audio link: LECTERN PRO to active speaker

LECTERN PRO operates as the MASTER unit in an audio link (wired) configuration with active companion powered speakers **STAGE SLAVE**.

- 1 Connect the **LECTERN PRO** (master unit) and the active companion powered speakers via **ACTIVE OUT** and **ACTIVE IN** jacks.



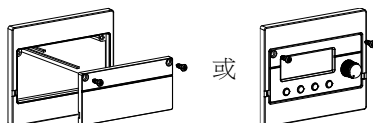
- 2 Turn on master power of **LECTERN PRO** and each active companion powered speakers and then adjust volume control separately to a desired level.



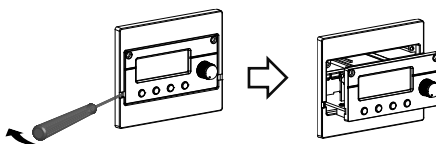
4. Installing or replacing a receiver/repeater/MP3 module

There are three slots below the top for installing optional modules which includes receiver, repeater and MP3 recorder modules.

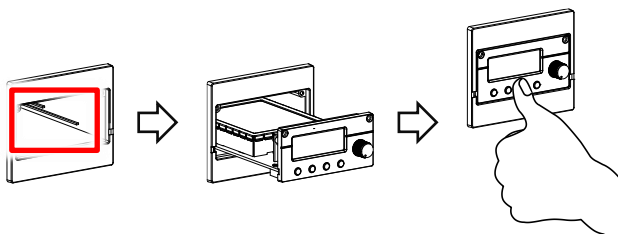
- 1** Use a Phillips-head screwdriver (not included) to remove the screws of the blank cover panel or current module's panel.



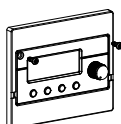
-
- 2** To replace module, use a mini flat-head screw driver (not included) to pry up the current module's panel and remove the module.



-
- 3** Gently insert the module into the slot by aligning its edges to the guide rails. Then push the panel to make sure it's been firmly connected.



-
- 4** Tighten up the screws.



5. FAQ & useful operation tips

1 How to adjust the best volume?

Gradually adjust the volume of audio inputs from minimum to an appropriate level. Then adjust volume according to the surrounding environment and the required sound (microphone, MP3 ... etc.).

2 Is it possible to play music storing on external devices via wireless amplifier?

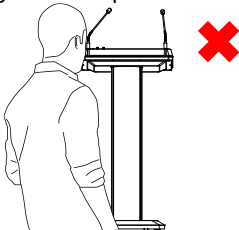
Yes. CHIAYO's wireless amplifiers have auxiliary audio input(s) LINE IN (or AUX IN) for connection with external devices such as notebook, mobile phones or tablets. (Medium and larger-sized wireless amplifiers (**LECTERN PRO**, **APEX**, **STAGE** and **FOCUS** series) can also be installed with MP3 recorder modules and equipped with remote control for more versatile functionality.)

3 Is it possible to record the sound of Microphone or external devices when using LECTERN PRO?

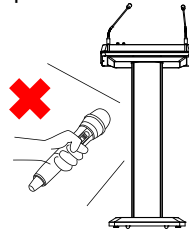
Yes. Install an MP3 recorder player (DPR-500m) on **LECTERN PRO** to obtain recording function.

4 How to avoid or reduce feedback?

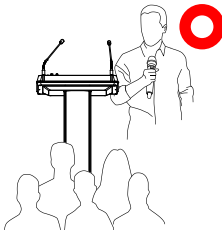
■ Do not stand in front of the speaker when using the microphone.



■ Do not point the wireless microphone towards the speaker.



■ Use the microphone behind the speaker ■ Turn down the volume if necessary. as possible.



5 Will wireless amplifier automatically power off once it is fully charged? Do I need to unplug the power cord?

Yes. Since all CHIAYO amplifiers have an overcharge protection circuit that automatically power off at full charge and prevent damage to the system. However, please unplug the power cord after fully charging to ensure the safety.

6 How to charge and maintain the battery of wireless amplifier?

After plugging the power cable of the wireless amplifier into a standard outlet, the charging LED will glow or flash indicative of charging status. The wireless amplifier can be charged whether power on or off.

The amplifier's battery has no memory effect and can be charged any time. It is suggested to charge the battery right after usage to make the battery life longer. If not to use it for a long period, please charge the battery at least every three months for lead-acid batteries and six months for lithium batteries.

The battery life is limited and affected by the environment, charging method and battery efficiency.

7 Is it possible that LECTERN PRO can work as amplifier only? Can I use only one or more microphones? How many wireless microphones can be used at most?

Yes, each **LECTERN PRO** can work as amplifier. The wireless receiver, transmitter and MP3 recorder player (DPR-500m) for **LECTERN PRO** are modular products which can be installed optionally according to application and requirement.

Maximum 3 wireless microphones can be used simultaneously.

8 What is the difference between lead-acid batteries and lithium batteries?

Lithium battery: light weight, electronic circuit protection, long life and more expensive.

Lead-acid battery: heavy weight, short life and more affordable.

6. Maintenance-free Lead-acid and Lithium batteries

Cautions when using the battery

1. Lead-acid batteries/lithium batteries have no memory effect. Please charge them up immediately after each use, no matter how much power they left. If the battery is not charged for a long time, it may cause the battery to be over-discharged and damaged, making it impossible to charge normally.
2. Usage temperature can't be lower than -10°C nor higher than 50°C.
3. It's strictly forbidden to let the battery contact with any liquid. Do not immerse the battery in water or get it wet. After the battery is exposed to water, a decomposition reaction may occur, which may cause battery self-ignition or even cause an explosion.
4. It is forbidden to use the battery when it has swelled, leaked, or the packaging is damaged.
5. It is forbidden to disassemble the battery in any way or pierce the battery with a sharp object, so as not to cause the battery to catch fire or even cause an explosion.
6. The liquid inside the battery is highly corrosive. If it leaks, please do not touch it. If the internal liquid splashes on human skin or eyes, please immediately rinse with clean water for at least 15 minutes before seeking medical attention.
7. It is forbidden to use wires or other metal objects to short-circuit the positive and negative electrodes of the battery.

Cautions when charging the battery

1. Lead-acid batteries/lithium batteries have no memory effect. Please charge them up immediately after each use, no matter how much power they left. If the battery is not charged for a long time, it may cause the battery to be over-discharged and damaged, making it impossible to charge normally.
2. Please use the power supply specified by CHIAYO for charging.
3. The CHIAYO amplifier has a protection circuit to prevent overcharging. To ensure safety, the charging time should not exceed 12 hours. Please disconnect the power supply when fully charged.
4. Charging temperature can't be lower than 0°C nor higher than 40°C.
5. When charging, please place it on the hard ground, such as cement, and there should be no flammable or combustible materials around. Please pay attention to the charging process to prevent accidents.
6. It will automatically stop charging when fully charged. After the battery is fully charged, it is recommended to disconnect the amplifier from the power supply.
7. When the power supply is not disconnected and the amplifier is not in use, if the battery is fully charged and then recharged again soon after, it means that the battery is aging and cannot store power. Please replace the battery to ensure enough time for operation.

Cautions when storing the battery

1. Lead-acid batteries/lithium batteries have no memory effect. Please charge them up immediately after each use, no matter how much power they left. If the battery is not charged for a long time, it may cause the battery to be over-discharged and damaged, making it impossible to charge normally.
2. Lithium batteries will automatically discharge in storage. If they are not charged for a long time, they will over discharge that causes a decrease in capacity and damage to the batteries that can no longer be charged normally. It should be fully charged at least once every 6 months.
3. Lead-acid batteries will automatically discharge in storage. If they are not charged for a long time, they will over discharge that causes a decrease in capacity and damage to the batteries that can no longer be charged normally. It should be fully charged at least once every 3 months.
4. Storage temperature can't be lower than -10°C nor higher than 40°C.

Disposing the battery

Be sure to completely discharge the battery before placing it in the designated battery recycling bin. Batteries contains dangerous chemicals. When disposing of old batteries, be sure to follow the local battery recycling and disposal regulations, and it is strictly forbidden to put them in a trash can.

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