



VICTORY200

Modulized Wireless Portable Amplifier System

Operation manual



ISO 9001



ISO 14001



OHSAS 18001



GREEN PRODUCT



IF DESIGN AWARD



HKEIA AWARD



TAIWAN
EXCELLENCE



TAIWAN GOOD
DESIGN





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.
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 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 month 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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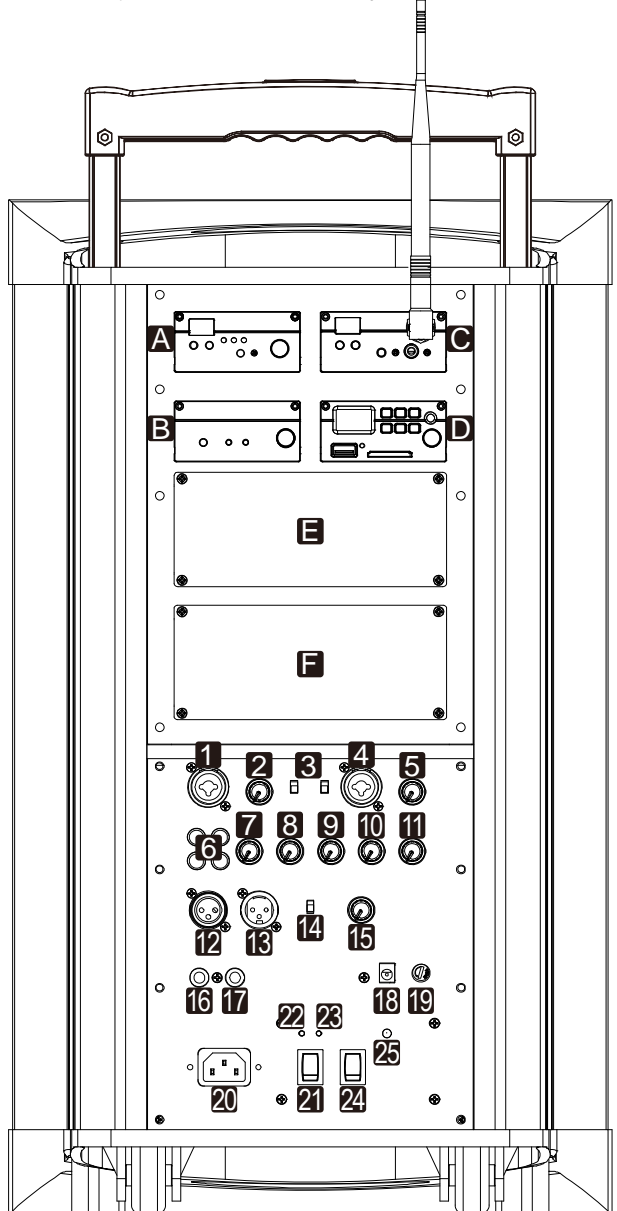
VICTORY 2000 (Master)

A,B&D. Slot for receiver/MP3/Bluetooth module

C. Slot for receiver/transmitter/MP3/Bluetooth module

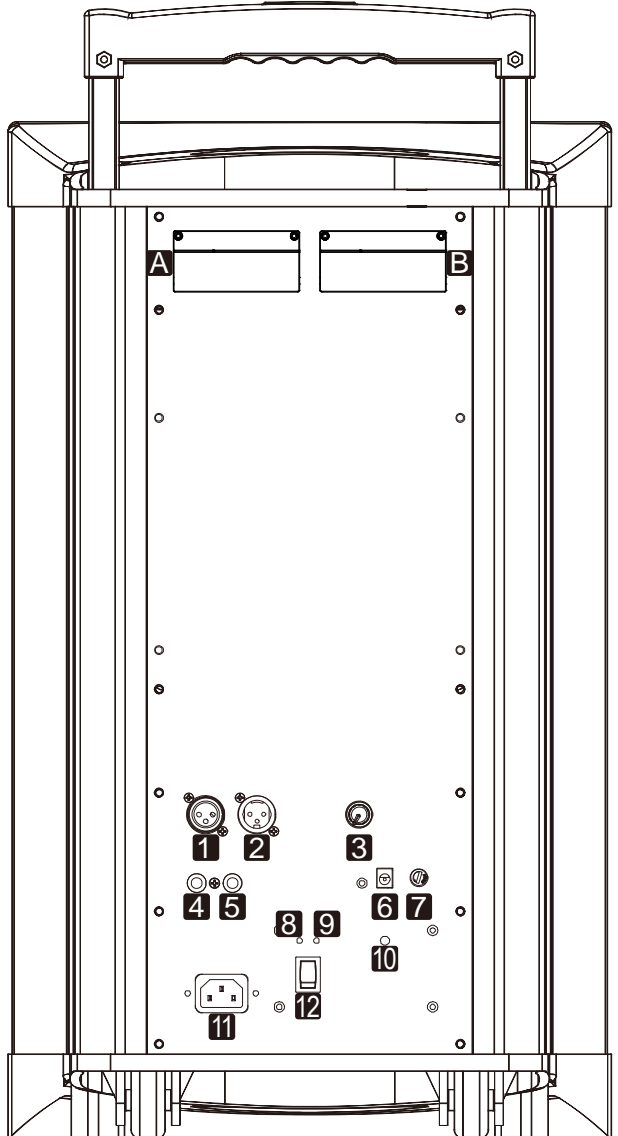
E&F. Slot for other modules (CD player, DVD player, MP3+Bluetooth player...)

1. Mic-1 input
2. Mic-1 volume control
3. Music or speech mode selector
4. Mic-2 input
5. Mic-2 volume control
6. Line input/output
7. Line-in volume control
8. Tape/DVD power+volume control
9. Tone volume control (BASS)
10. Tone volume control (TREBLE)
11. Master volume control
12. Slave input
13. Slave output
14. Master/slave selector switch
15. Master/slave volume control
16. Speaker out (switched)
17. Speaker out (unswitched)
18. 24~32V DC input
19. Fuse
20. AC input
21. Power switch
22. Power status indicator (RED)
23. Power status indicator (GREEN)
24. Voice priority
25. Charging indicator



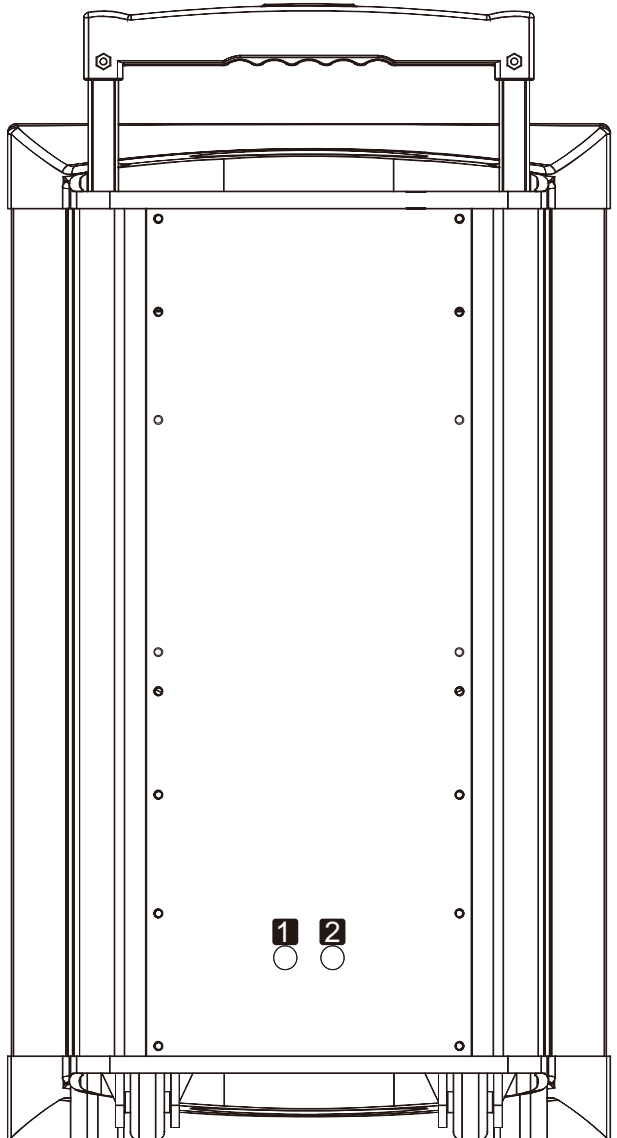
VICTORY Companion powered speaker

- A. Slot for receiver/MP3/Bluetooth module
- B. Slot for receiver/transmitter/MP3/Bluetooth module
- 1. Audio link input
- 2. Audio link output
- 3. Volume control
- 4. Speaker out (switched)
- 5. Speaker out (unswitched)
- 6. 24~32V DC input
- 7. Fuse
- 8. Power status indicator (RED)
- 9. Power status indicator (GREEN)
- 10. Charging indicator
- 11. AC input
- 12. Power switch



VICTORY Companion passive speaker

1. Speaker input
2. Speaker output



Operating procedures

After unpacking the unit for the first time, please charge the unit for at least 6 hours before operation. This is absolutely necessary as the built-in rechargeable batteries might have been discharged naturally due to long shipment and storage time, even though it has been fully charged in the factory prior to shipment.

To operate this portable sound unit, switch on the main POWER switch, the GREEN LED above it will glow. However, if the RED LED also glows at the same time, it means the battery is getting weak and a recharge of the battery is necessary.

The main POWER switch does NOT switch on the other devices as each of them has individual Power/Volume control. To operate each of them, you must switch them on accordingly.

Operating the dynamic wired microphone

To use a cable microphone, simply plug it into any MIC IN socket. The mic socket accepts both phone and Cannon jack. Rotate the dedicated volume control knob and master volume control, amplified sound could be heard from the speaker when voice is spoken into the cable microphone.

When a full range high fidelity sound is emphasized, the mode selector should be put to MUSIC. For vocal frequencies where better clarity and projection is emphasized, put the mode selector to SPEECH and this will produce more mid-range frequency.

Operating the wireless microphone system

To operate the wireless system, just switch on the power/volume control on the module panel and the matching transmitter. Please set the same channel on both the transmitter and receiver before operation. Please as well make sure that master volume control is set to minimum level before turning the unit on, especially working on a wireless version! Set the Master volume control to the mid position. Rotate the volume control knob on receiver panel clockwise to the desired levels. When voice is spoken into the transmitter, amplified sound should be heard over the built-in speaker.

Voice Priority (Ducking) operation

Voice Priority operation is only necessary when CD or other acoustic device is playing. If the Voice Priority switch is put to ON position, the ducking function will be activated. While the music is playing, a voice input from either a wired or wireless microphone will temporarily override and turn down the volume of the background music and voice could be heard clearly. Background music will return to its original setting when no audio input is entering the microphone for a certain time. However, if the microphone is not switched off, the music entering the microphone will also activate the voice priority function. So, Voice priority is best operated using microphones with on/off switch.

Battery Charging

Internally, the VICTORY 2000 contains two 12V/5AH maintenance free lead acid batteries, which have no memory effect.

When the batteries are weak, the power status indicator would stay RED. To charge the batteries, simply plug in the AC power supply, the charging process will start automatically. While charging, the charging indicator will flash GREEN. When batteries are fully charged, the charging indicator will stay GREEN.

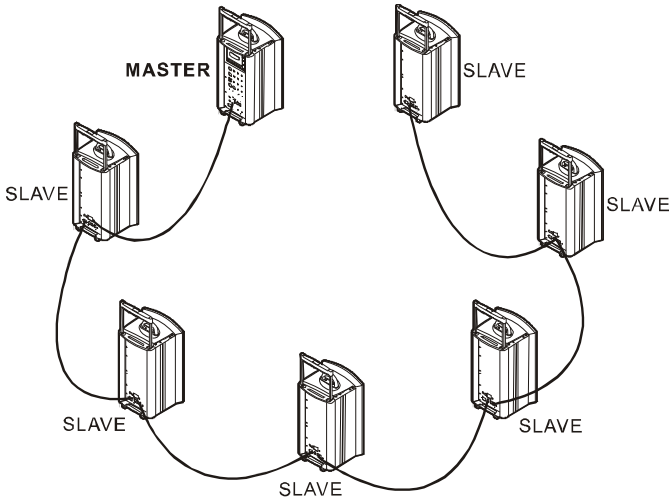
Speaker Out (switched)

When an external speaker is connected to this output, the internal speaker of VICTORY 2000 will be muted and only the external speaker will have sound.

Speaker out (unswitched)

When an external speaker is connected to this output, both the internal speaker of VICTORY 2000 and the external speaker will have sound.

Wired Audio Link



The VICTORY 2000 could be operated as MASTER as well as SLAVE. This depends on the setting of Master/Slave selector switch. However, the VICTORY Slave can only be operated as SLAVE.

In order to operate Audio Link, you must have a VICTORY 2000 unit that operates as a MASTER. Only one unit is allowed to act as MASTER and the other(s) MUST operate as SLAVE(s). A MASTER unit is capable of connecting up to about 20 SLAVE units.

For the MASTER unit, the MASTER/SLAVE selector switch must be set to MASTER mode. The VICTORY SLAVE unit does not have this selector. If you have two units of VICTORY 2000, you could use one as Master and the other VICTORY 2000 as slave. To do that, just put the MASTER/SLAVE selector switch of the second VICTORY 2000 to SLAVE mode. For the MASTER unit, Audio Link IN jack should NOT be connected.

To operate Audio Link, connect the Output jack of the MASTER to the Audio Link IN jack of the 1st SLAVE unit. The Output jack of this SLAVE should be connected to the Input jack of the 2nd SLAVE unit. Similar connection shall continue as such for the following SLAVE units.

Volume Control for MASTER or SLAVE

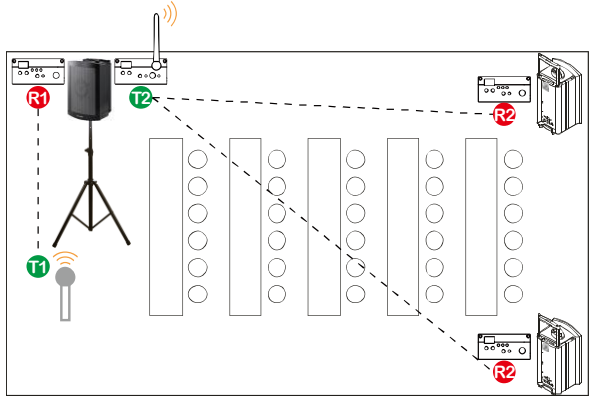
When used on the MASTER, it controls the MASTER as well as all the SLAVE units. When used on the SLAVE unit, it only controls that particular SLAVE unit volume. Maximum number of SLAVE units to be connected with a MASTER is about 20.

Remark : There should NOT be a connection between the last SLAVE unit output and the input of the MASTER unit.

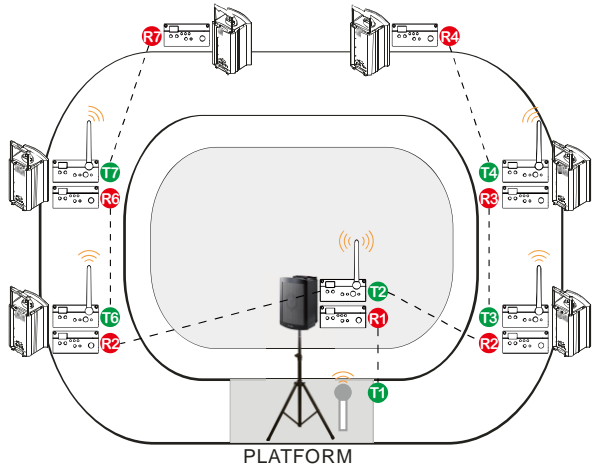
Wireless Audio Link

Different from Wired Audio Link, with new SLAVE's capability of installation of receiver and transmitter modules it eliminates all cable connection and largely extends the number limit of SLAVES.

- Application: For crowds of 1000 to 2000. (e.g., speeches or forums)
- Configuration: One Master + several SLAVES (with receiver module built in)



- Application: For crowds of over 3000. (e.g., stadiums)
- Configuration: One Master + several SLAVES (with receiver and transmitter module built in)



T: Transmitter **R:** Receiver **Module number:** 1,2,3,...
T1 goes to **R1**, **T2** goes to **R2**, **T3** goes to **R3**, **T4**...

Maintenance-free Lead Acid battery

Guidelines for maintenance-free Batteries:

1. Battery should operate at temperatures between 15°C ~ 50°C. To ensure a longer life span, it should be kept between 5°C ~ 35°C. For optimum result, 20°C ~ 25°C will be ideal. When temperature falls 15 degrees below zero, battery will undergo some changes in its chemical contents and therefore cannot be recharged. Operating the battery at higher temperature will result in higher capacity but shorter lifespan, whereas lower temperatures operation has a longer lifespan but less capacity.
2. **If the battery is not recharged 72 hrs after it is completely used, it will be permanently damaged.**
3. When the battery is being charged, the internal gases will be electrolyzed into water at the negative charge, maintaining the battery's storage abilities with no water added. However, erosion at the charged ends of the battery will cause poor performance.
4. The battery's cycle lifespan (no. of charge and discharge cycle) is determined by the degree at which power is dissipated, especially the degree of discharged each time it is used and the recovery charging method. For normal use, the battery can be used for longer hours when less power is dissipated each time and vice versa. At 25°C, maintenance-free batteries could be charged 150 ~ 200 times at 100% discharge each time.
5. Decrease in capacity, internal short circuit, deformation in appearance, erosion of charged ends and decrease in open circuit voltage are symbols indicating battery is approaching the end of its life cycle.
6. When two batteries are used in parallel connection, the resistance of the cables should be kept equal.

Properties of the Lead Acid Battery:

1. Has no memory effect. Can be charged anytime, even when the recharge indication light is off.
2. Performance and efficiency are affected by changes in the environment, especially temperature and humidity. (Best operated between 20°C ~ 25°C)
3. Battery discharge naturally according to a certain pattern even not in use. **For best performance and a prolonged lifespan, it should be recharged every month even when not in use.**
4. Under normal circumstances, battery could last for about a year.
5. When the battery's life expires, possible indicators include internal short-circuit, decrease in capacity, deformation in appearance, erosion of charged ends and decrease in operating voltage.

User's Precautions:

1. **For first-time use, charge the battery for 10 hrs until it is fully charged.**
2. To maintain performance and lifespan, if product has not been used for 3 months after the initial shipment, please fully charge the battery.
3. **Before each use, it's advisable to charge the battery to its full capacity.**
4. The average lifespan of the battery is one year. The user is advised to change the battery after one year of use.
5. The current consumption is in direct ratio with load current. The more current consumption, the less the operation time.
6. **Warranty will be void if the battery is not charged for a prolong period as it may lose all its charge and could never be recovered again.**



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