ICP-PRE2

Pre-amplifier Panel

User Manual



Publication Date: May 2022 | Firmware: V1.6.0.0

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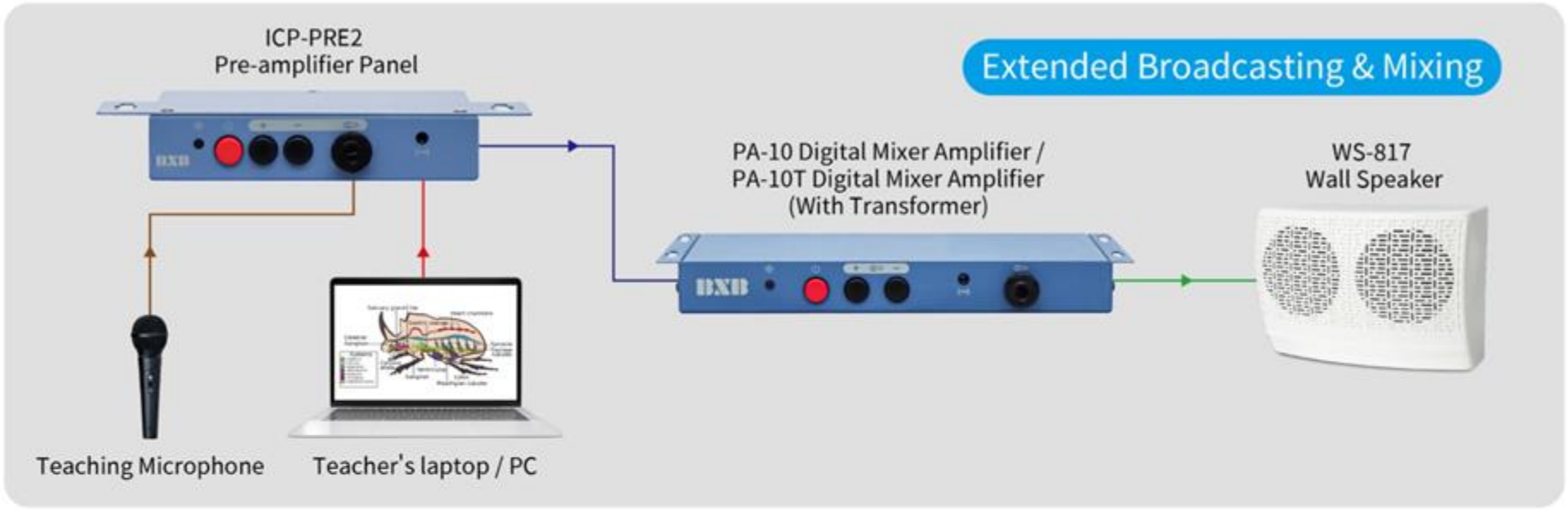
Safety Instruction

1. Before installing and using this unit, please read the operation manual carefully.
2. Keep this operation manual in a safe place.
3. Follow the instructions in the manual and pay attention to warning notices.
4. Do not use accessories not recommended by the distributor.
5. Only use original accessories provided by the manufacturer; the manufacturer will not be responsible for damages caused by improper fixing.
6. Ensure that the power cord is properly and safely secured.
7. Do not use three-prong plugs or power extension cords to avoid fire or short circuits.
8. Do not insert any objects into the machine or spill any liquids on it to avoid short circuits.
1. Contact a service technician if any of the following occurs:

a. The power cord or plug is damaged.
b. The unit has been exposed to water.
c. The unit does not operate normally even when following the operating instructions.
d. The unit has been dropped or its casing is damaged.
e. Other equipment issues that may require servicing.

10. When connecting outdoor equipment cables to the system, ensure that the cable system is properly grounded to prevent lightning strikes.
11. Do not use three-prong plugs or power extension cords to avoid fire or short circuits.
12. Do not insert any objects into the machine or spill any liquids on it to avoid short circuits.

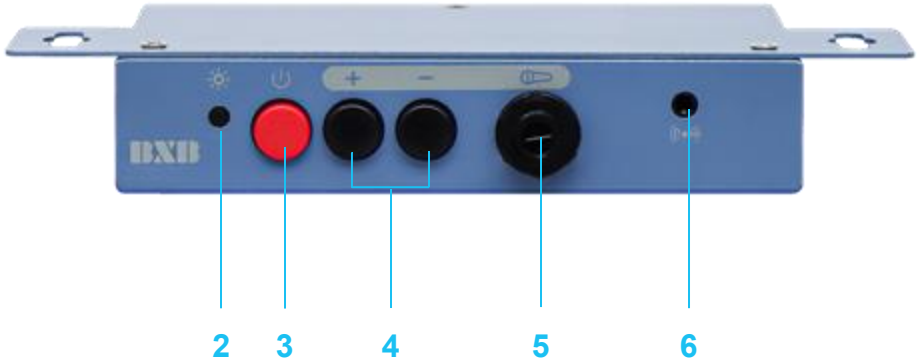
Connection Diagram



Speaker wire Audio cable Microphone Cable CAT5E

Physical Description





1. **Rear Port**: Connects to PA-10 Digital Mixer Amplifier / PA-10T Digital Mixer Amplifier (with Transformer) or ICP IP-based Multimedia PA System.
2. **Status Indicator Light**: Displays device power and mixing status.
3. **Mixing Switch Button**: Button to turn the mixing output on or off.
4. **Volume Adjustment Button**: Button to adjust microphone volume.
5. **Microphone Input**: Port for microphone audio input.
6. **Line Input Port**: Mono line-level audio input port.

Instructions

Microphone Input

The ICP-PRE2 Pre-amplifier Panel can connect to a microphone to amplify teaching audio output. The output volume can be adjusted via buttons.

1



2



When the ICP-PRE2 Pre-amplifier Panel is in standby mode (red light stays on), connect the microphone to the microphone input port.

Once the ICP-PRE2 Pre-amplifier Panel detects that a device is connected to the microphone input port, it will automatically enable teaching mix output. At this point, you may turn on the microphone, and the sound will be output to the connected downstream equipment.

Instructions

Microphone Input

3



4



Press the “+” button to increase the microphone volume only. There are 16 volume levels above the default volume for amplifying the audio signal.

Press the “–” button to decrease the microphone volume only. There are 16 volume levels below the default volume for reducing the audio signal.

Instructions

Microphone Input

5



6



Pressing both the "+" and "–" buttons simultaneously will restore the microphone amplification level to the default value. After restoring the default volume, you can use the volume adjustment buttons again to increase or decrease by up to 16 levels. If the microphone input level is too high, the ICP-PRE2 Pre-amplifier Panel will activate a protection function to temporarily stop output, and the status indicator will flash green rapidly to indicate this.

Press the "Output Switch" button to turn off teaching mix output (red light stays on). To turn it back on, press the "Output Switch" button again to enable microphone and line audio teaching mix output (green light stays on).

Instructions

Line Audio Input

The ICP-PRE2 Pre-amplifier Panel can connect to a computer or other device with a mono line-level audio source as a mixed input for teaching audio amplification output.

1



When the ICP-PRE2 Pre-amplifier Panel is in standby mode (red light stays on), connect a 3.5mm phone jack audio cable to the input port for teaching mix amplification.

2



Press the "Output Switch" button to enable teaching mix output (green light stays on), then play audio from the source device; the sound will be output to the connected downstream equipment.

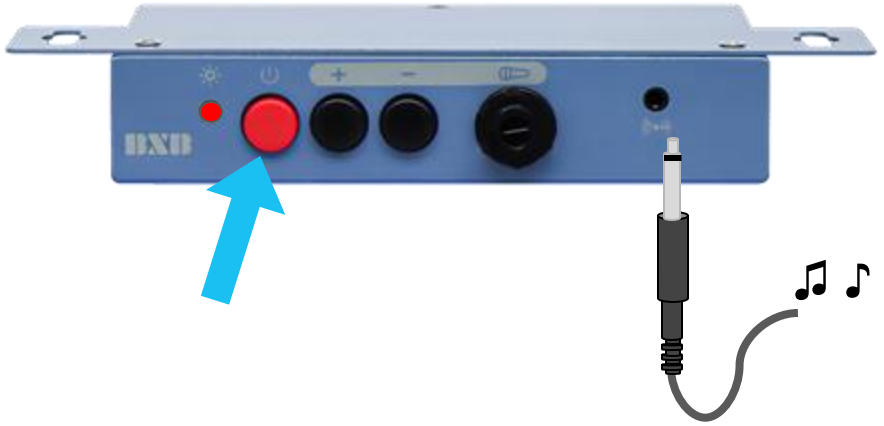
Instructions

Line Audio Input

3



4



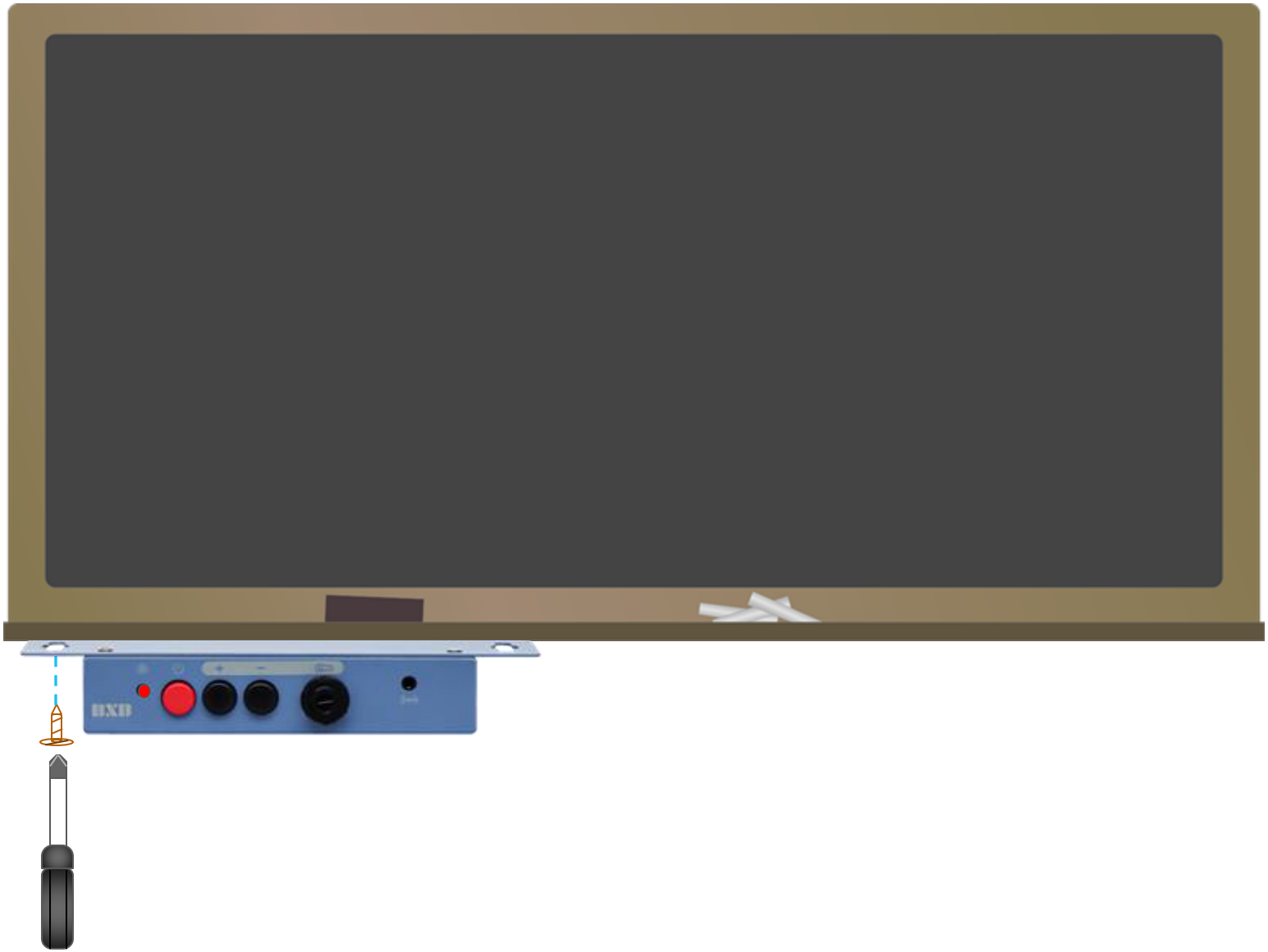
The volume adjustment buttons on the ICP-PRE2 Pre-amplifier Panel only control the amplification level of the "microphone input." If the "line audio input" volume is too low or too high, you must adjust it from the source device itself (e.g., computer).

Press the "Output Switch" button to turn off teaching mix output (red light stays on). To turn it back on, press the "Output Switch" button again to enable both line audio and microphone teaching mix output (green light stays on).

Appendix

Installation Instructions

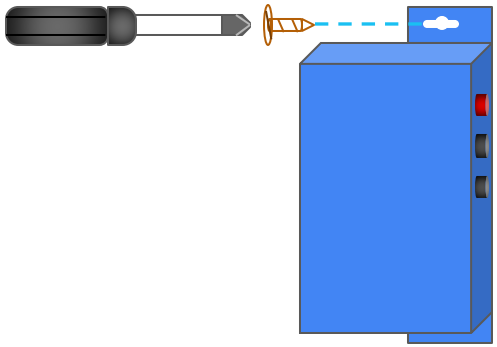
Use screws to mount the ICP-PRE2 Pre-amplifier Panel under the blackboard.



Appendix

Installation Instructions

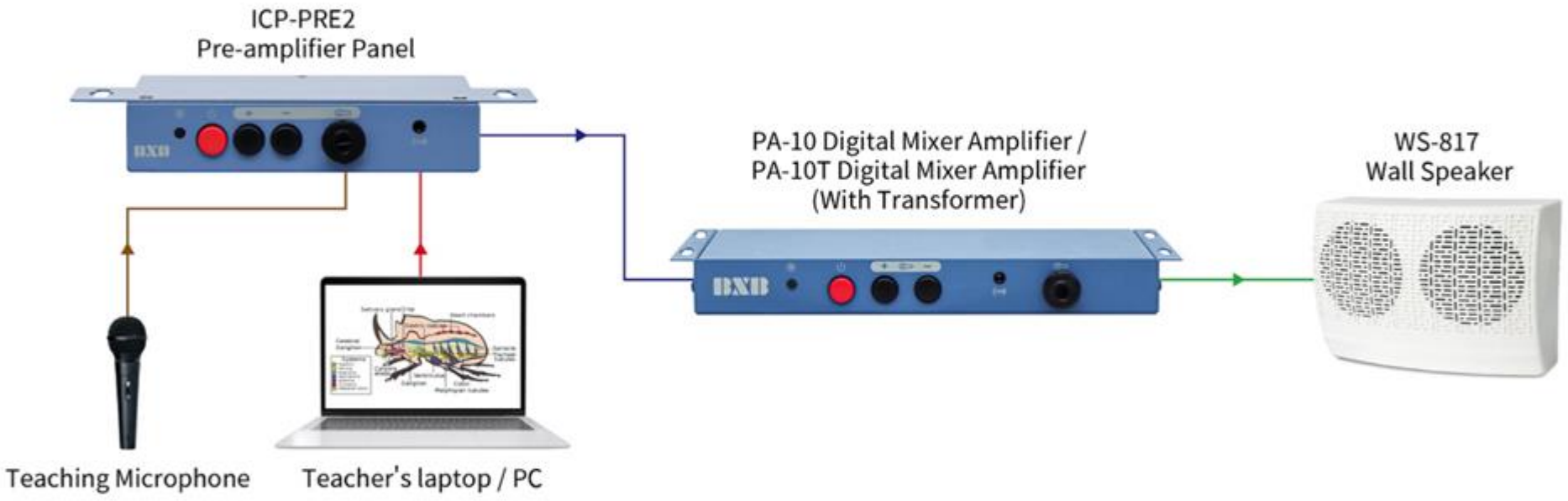
Use screws to mount the ICP-PRE2 Pre-amplifier Panel on the wall.





Appendix

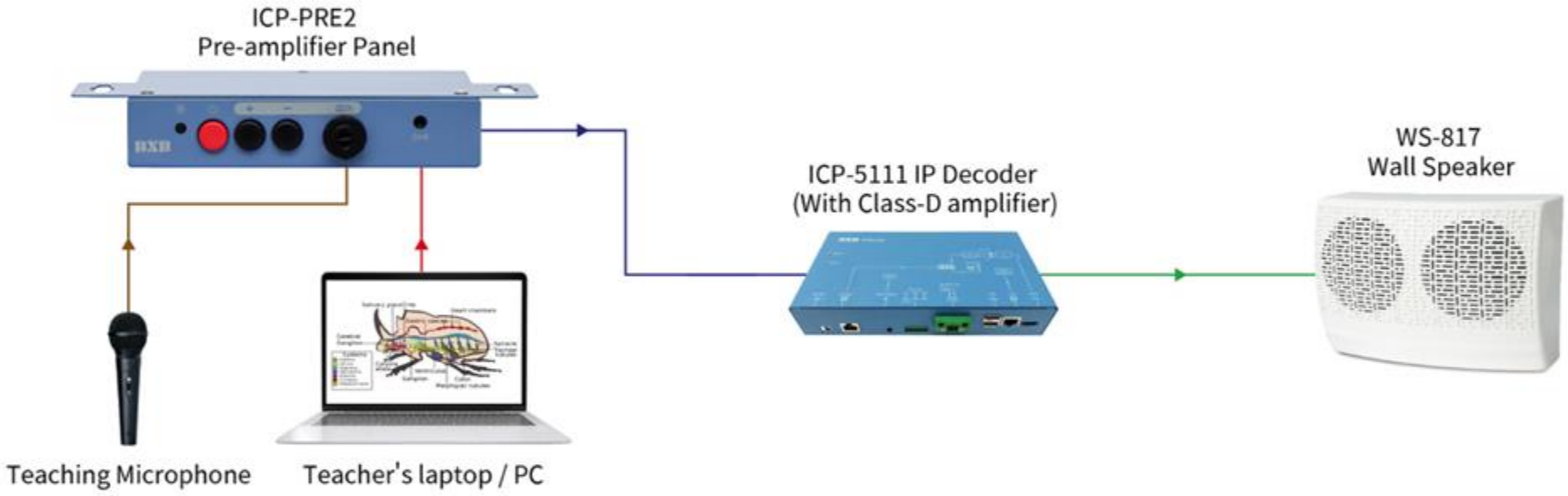
Connection Diagram – PA-10 Digital Mixer Amplifier / PA-10T Digital Mixer Amplifier (with Transformer)



Speaker wire Audio cable Microphone Cable CAT5E

Appendix

Connection Diagram – ICP-5111 IP Decoder (with Class-D amplifier)



Speaker wire Audio cable Microphone Cable CAT5E



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