

Procom Simultaneous Interpretation Conference System

(BoothMaster BM2-D Interpreter's Console)

Complies with Canadian Standard 131.2-M88, and IEC 914



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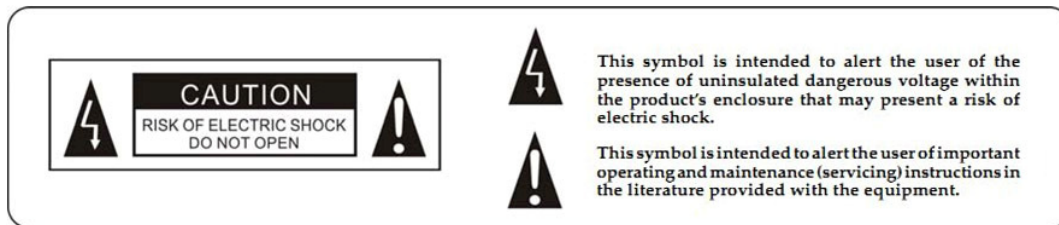
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PART 1 Safety Operation

1.1 Safety Operation

First, thank you very much for using PROCOM AUDIO conference system. To make sure safety of equipment and user, please read these safety instructions carefully as described in this manual before installing, using, and operating. Also, please keep these safety instructions for future references. Notices are as below:



1. Wiring during installation must follow national electric safety standards, national fireproofing regulations and all related local regulations.
2. Protect the power cord from being walked on and do not stack things on the power cord, particularly at plugs.
3. To make sure earth wires connect well. Do not use 2- pin plugs. Power supply: 110-220V 50/60 Hz.
4. Power supply cords:
 - America, Japan: AC 110 V~120 V 60 Hz
 - Asia, Europe: AC 220 V~240 V 50 Hz
5. The packaging of equipment is designed for protecting 1.5 meters dropping, but please prevent from stress and shocking during transportation, installation and storing.
6. Do not place the system equipments on too cold or too hot room.
7. Keep good ventilation to protect the machine.
8. Unplug the system during rainy weather or when it is unused for a long period of time.
9. Must unplug the equipment before below operations:
 - Taking down or resetting any part of the machine
 - Reconnecting any plug in the system
10. Do not disassemble or maintain the product by non-authorized personnel to avoid accident or damage. Warning label is as below:



11. Prevent from any chemicals or liquids.
12. Please check all the connections completely before turning on. Check the set-up of main unit before usage. If you find top warning label on product, it means: Do not open the machine cover to avoid electrical shock. Also please do not place the useless part in the case. In case of any trouble, please contact with the authorized personnel.
13. Do not allow children or other unauthorized people to have access to this product.

PART 2 System introduction

2.1 Package Includes:

Interpreter Console system includes		
Item No	Name	Photo
BM2- D	Interpretation Console	
Power Supply	<input type="checkbox"/> 20VDC 3.25A international desktop style power supply, 100-240VAC, 50-60Hz CSA –CE Approved	

PART 3 Interpreter Console

3.1 Overview

The “Booth Master” BM-2D is a premium audio control console for simultaneous language interpretation. A single unit allows up to three interpreters to monitor the original source, activate microphone inputs, and route their interpretation to one of two audios output channels. The Interpreter Console BoothMaster BM2-D has many new helpful features that simplify setup, improve audio quality and increase flexibility.



Figure 3.1 Interpreter's Console BoothMaster BM2-D

3.2 Function and feature

- Adopt Procom Audio original full digital conference technology, compliant to IEC 60914 international Complies with Canadian Standard 131.2-M88, and IEC 914
- New layout designs, Languages are displayed on the LCD display with angle adjustment.
- Aluminum alloy appearance. Steam line design, accord with clay engineering.
- Adopt full digital audio codec technology and digital audio compression technology. The sound is near CD quality. Listeners have comfortable, natural and high quality sound finishing.
- Balanced line inputs and outputs, ultra-Low noise amplification circuit.
- Functions LED display for easy operation.
- 4 X USB charging jacks on two sides 2.1 Amp.
- Monitor for headset free monitoring.
- Compatible with FM or Infrared system.
- 3 steps compression limit with peak indicator.
- Flashing Red LED in OFF mode (Web-casting standard)
- Peak level indicator light allows technicians to monitor the Limiter Peak level.
- Multiple microphones and headphones connection options for each interpreter make using your existing ear set a snap.
- Support TRRS Phone headsets.
- Individual controls for each interpreter ensure optimal listening and output levels.
- Automatic interlock of the outgoing channel.
- Floor signal assigned automatically on non-occupied channel.
- Lockable External 20V DC 3.25A power supply.

3.3 Top Panel of Controls schematic diagram

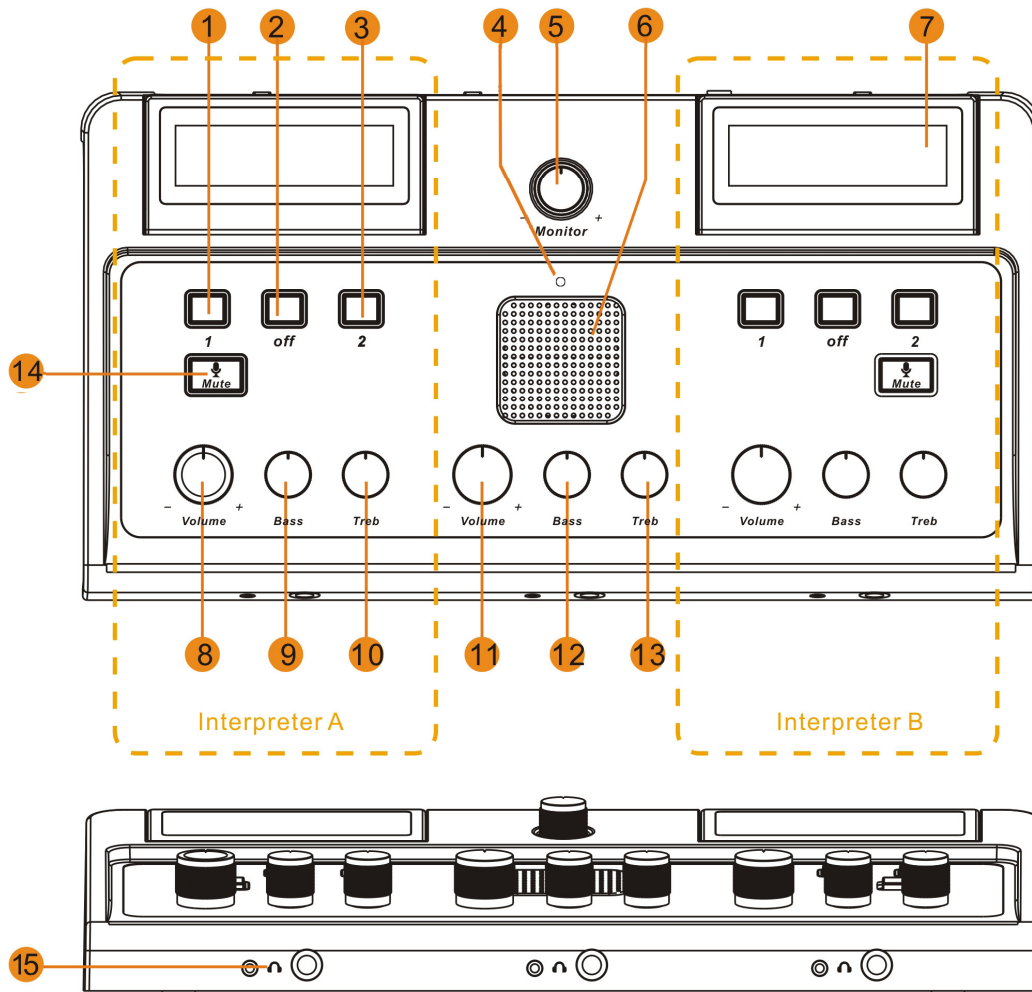


Figure 3.2 Top Panel Controls schematic diagram

1. **1 key:** When key 1 is ON, interpreter audio will be routed to output 1
2. **OFF key flashing :** interpreters are in standby mode, Microphones OFF .
3. **2 key:** When key 2 is ON, interpreter audio will be routed to output 2.
4. Peak level indicator limiter
5. **Monitor knob:** Adjust the volume of loudspeaker .
6. Loudspeaker
7. Display: display languages name and will highlight the activated language
To change the language name: hold simultaneously (Mute + key 1) for 4 seconds to enter the edit mode
Please repeat the same for Key 2 (Mute + key 2)
8. **Volume:** adjusts headphone volume
9. **Bass:** boosts or cuts bass tone level to headphones
10. **Treble:** boosts or cuts treble tone level to headphones.
11. **Volume:** adjusts headphone volume
12. **Bass:** boosts or cuts bass tone level to headphones

- 13. **Treble:** boosts or cuts treble tone level to headphones.
- 14. **Mute:** Press and hold mute to mute the microphone release for Unmute
- 15. Earphone jack

3.4 Back Panel of Controls schematic diagram

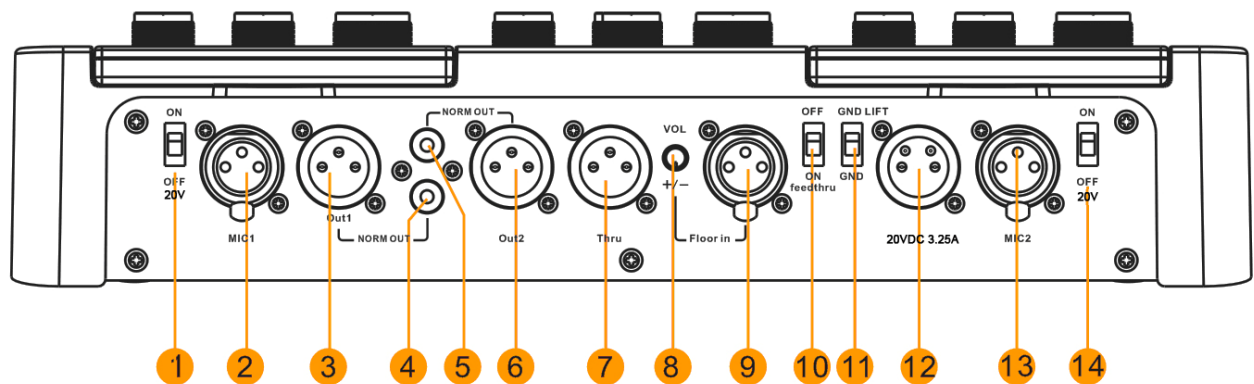


Figure 3.3 Back Panel Controls schematic diagram

- 1. **Phantom power switch:** Phantom power to XLR MIC 1 input (Electret microphone only)
- 2. **XLR MIC1 input jack:** Balance microphone input with optional phantom power switch.
- 3. **Out1 Output XLR jack:** Balance output 1, line level audio output to FM or Infrared transmitter.
- 4. **Out1 Output RCA jack:** Mono audio from interpreter output to recording machine or webcast without floor
- 5. **Out2 Output RCA jack:** Mono audio from interpreter, output to recording machine or webcast without floor
- 6. **Out2 Output XLR jack:** Balance output 2 line level audio outputs to transmitter.
- 7. XLR output jack: Floor in buffer balance output; it is used to connect next interpretation console.
- 8. **VOL Knob:** Adjust the Gain level of Floor input.
- 9. **Floor in XLR Jack:** balanced or unbalanced line audio signal in from your audio mixer
- 10. **Feed thru switch;** turn it OFF if you need the cancel the floor to route on all unengaged channels
- 11. **Ground Lift:** safely breaks the connection between chassis and audio grounds internal to the BoothmasterD1 to help technicians debug tricky ground-loops that cause hum. Use only if needed for best audio performance. The default position is down or “GND”.
- 12. **20VDC 3.25A 4 Pin Locking Power input connector**
- 13. **XLR MIC2 input jack: Balance MIC input with optional phantom power switch.**
- 14. Phantom power switch: Phantom power to XLR MIC2 input.

3.5 Side Panel of Controls schematic diagram

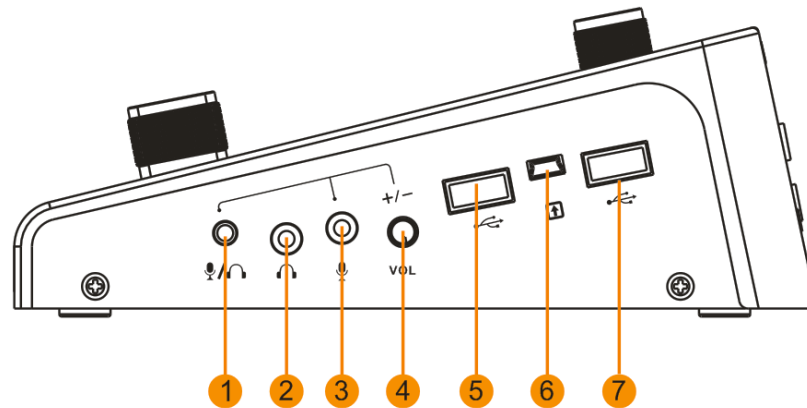


Figure 3.4 Side Panel Controls schematic diagram

1. Microphone + Headphone Jack (Black): stereo headphone output or electret microphone input.

- 3.5mm TRRS “mini-plug” stereo headphone output.
- 3.5mm TRRS “mini-plug” electret microphone for i-Phone style hands-free electret mics.

2. Headphone Jack (green): 3.5mm TRS “mini-plug” mono or stereo headphone jack.

3. Electret Microphone Jack (Pink): 3.5mm TRS “mini-plug” electret mono or stereo microphone.

4. Electret Microphone Level Control: allows the technician to set the input level of both the pink 3.5mm electret microphone and the 3.5mm TRRS microphone + headphone jack

5. USB charging.

6. Mini USB Firmware upgrading.

7. USB charging.

PART 4 SYSTEM SETUP

4.1 Bilingual Setup

◆ SIMPLE CONFIGURATION INSTRUCTIONS

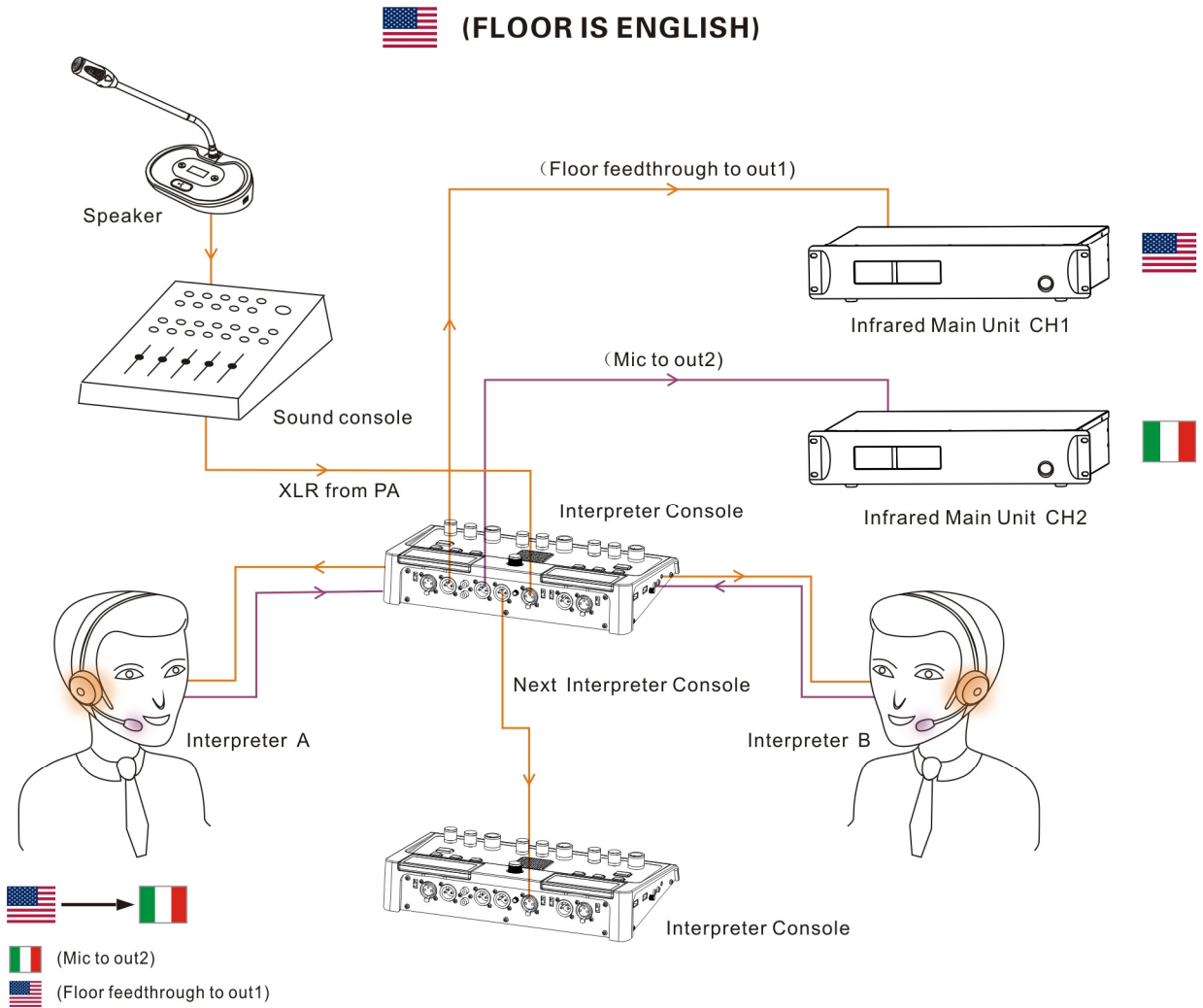


Figure 4.1 FLOOR IS ENGLISH

PART 5 Specifications

5.1 Technical Parameters of BoothmasterD1

Frequency Response	45Hz to 20kHz, +0/-3 dB re: 1kHz with flat bass/treble
Distortion at 1kHz	<0.5% THD @ Total power
Signal to Noise Ratio	>82 dB @ 1kHz
Crosstalk Attenuation	>63 dB @ 1kHz
Tone Controls	(Bass): +12dB Boost or -12dB Cut @ 100Hz (Treble): +12dB Boost or -12dB Cut @ 10kHz
Power	110-240VAC, 50-60Hz, 1A External power supply, 20VDC 3.25A CE,CSA
Dimensions	335x182x65mm
Weight	3kg
Color	Grey black



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