Studiomaster® PROFESSIONAL

Muse 81

Portable Active PA Speaker
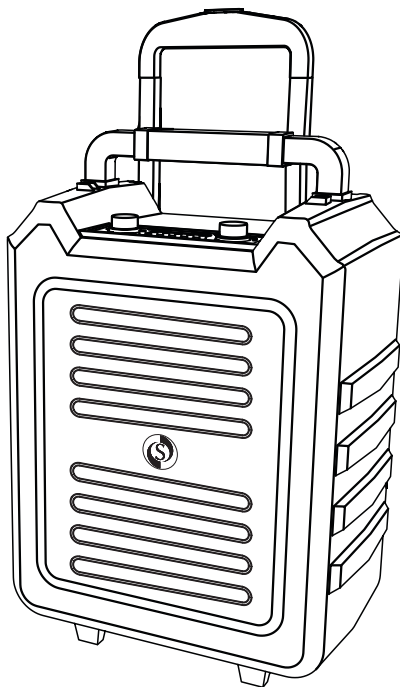
30W
Power Output

Wireless MIC Supplied!

Rechargeable Battery

USB UNIVERSAL SERIAL BUS — Playback / SD / MP3 / REC Recording / Bluetooth
Media Player, Recorder

TWS
True Wireless Stereo Pairing

1. Introduction

- Thank you for choosing the Studiomaster Professional Muse 81 Active Speaker.
- To ensure maximum performance and safety, please follow this instruction manual carefully.
- Please retain this manual for future reference. For any complaint, feedback or testimonials please contact authorised Studiomaster Professional distributor/dealer.
- Retain the carton for future use should the product require servicing/maintenance.

2. Features

- Features a 8″ LF Driver and a 3″ Tweeter.
- Ships with 1 Wireless Handheld Microphone.
- USB, SD/MMC Media Player, Recorder and Bluetooth.
- True Wireless Stereo (TWS) for Pairing Two Units.
- Wireless IR Remote Control.
- Inputs: 1 x 6.35mm (¼″) Mic, 1 x 6.35mm (¼″) Guitar & 1 x 3.5mm EP Aux.
- Outputs: 1 x RCA (AUX) & 1 x RCA (Speaker 4-8 Ω)
- MIC/VOX Priority Feature.
- Sing-along Feature for Bluetooth, USB and SD/MMC Media Player.
- Echo/Delay EFX on MIC Inputs with Level Control.
- Individual Volume Controls for MIC, Guitar & Aux/Media Player Inputs.
- 2-Band (Bass/Treble) EQ on Aux/Media Player Input.
- Built-in Rechargeable 4500mAH/12V Lead Acid.
- Long Lasting 5 Hours Battery Life.
- 15V DC Charging Adapter Supplied.
- 12V DC Car/Motorcycle Battery Operation.
- LED Lights with On/Off Switch.
- Integrated Carry and Trolley Handles with Wheels for Easy Transportation.
- Sturdy PP+ABS Cabinet for Outdoor Use.

3. Applications

- Parties & Gatherings • Learning & Training Centers • Religious Functions • Group Presentations

4. Rear Panel Description
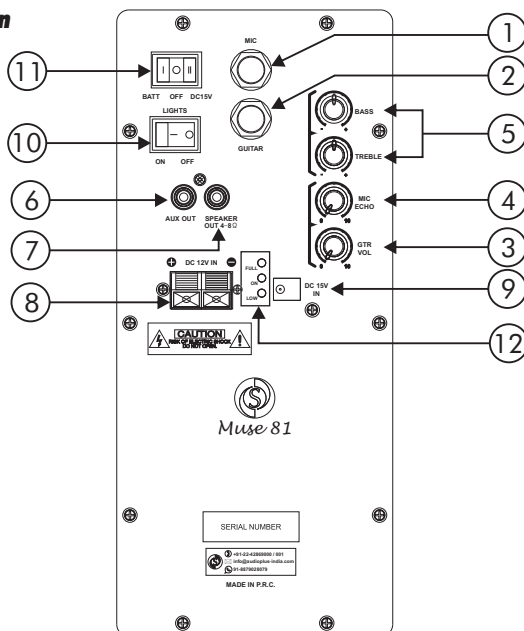
1. **Mic Input:** These ¼" jack is designed to accept signal from low impedance wired microphones.

2. **Guitar Input:** These ¼" jack is designed to accept Guitar input.

3. **Guitar Volume:** This knob is used to adjust the output level of the Guitar.

4. **Mic Echo:** This knob is used to adjust the Echo (Delay) EFX.

5. **Band EQ:** This 2-band EQ is provided to cut or boost frequency as required.

6. **Aux Out:** This Aux out used to send audio signal to other speaker.

7. **Speaker Out 4/8Ω:** To connect external passive speaker at different load i.e 4Ω/8Ω.

8. **DC 12V Terminals:** These terminals are provided to power up the device using on external 12VDC car / motorcycle battery (battery not supplied).

9. **DC 15V In Socket:** Connect the supplied 15VDC adapter to charge this device.

   Note: We recommend charging the battery for 8 hours before using the unit.

10. **Deco LED ON/OFF:** This switch is used to ON or OFF the led light on the front panel.

11. **Power ON/OFF Switch:** This switch is used to power ON or OFF the unit.

12. **Battery Charge LED Indication:**
    a) On (Green LED): Indicate battery is charging.
    b) Full (Yellow LED): Indicate battery fully charged.
    c) Low (Red LED): Indicate battery is low, Please charge the device.

5. USB/SD Media Player & Recorder

1. **Mic Volume:** This knob is used to adjust the level of the Mic input.

2. **USB Input:** Use this to insert a flash-based storage device (pen drive) for Mp3 playback and recording.

3. **TF /SD/MMC (Card Input):** Use this to insert a memory card for MP3 playback & recording.

4. **Aux Input:** This 3.5mm EP Jack is provided to connect audio from auxiliary sources such as CD players, iPads MP3 player, mobile phone and laptop etc.

5. **Aux in/Media volume:** This knob is used to adjust the level of Aux input and media player.

6. **Input:** This button is used to switch between Aux, Bulethooth and USB (when a device is inserted) media player mode.

7. **Previous/Rewind (|◀◀):** Press this button to select the previous song. Long pressing the button rewinds the song.

8. **Play/Pause (▶||):** Press this button to play or pause the song.
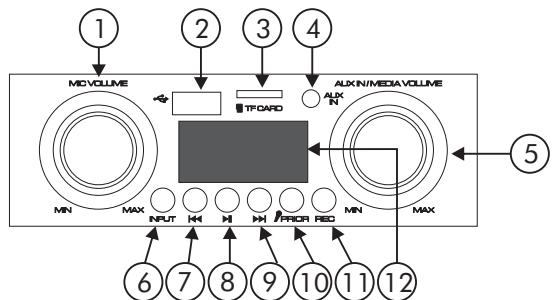
9. **Next/Fast Forward (▶▶):** Press this button to select the next song. Long Pressing the button fast forwards the song.

10. **Priority (PRIOR):**
10.1 **MIC/VOX Priority:** Press this button once to activate or deactivate the MIC/VOX priority mode. It provides voice-activated priority (VOX) for the microphones inputs which overrides the remaining inputs. Essentially, with this mode activated, when you speak into the microphone the volume of all other inputs ducks (reduces) to let the vocals be more prominent. This feature is useful for announcements. When priority button is pressed, the display shows "P ON" to indicate that the function is activated. To deactivate the priority function, press the priority button until the display shows "P OFF".
10.2 **Sing-along Function:** This function lets users sing along with any music being played back in the Bluetooth and USB mode. Activating this function effectively reduces vocals/voice from any stereo source being played while retaining most music elements. Effectively, it is a quick and easy way to enjoy fun Sing-along sessions on-the-go!
    1. To activate this function, long press the "PRIOR" button for 2-3 seconds. The display flashes "AC ON" for a few seconds and returns to the default screen.
    2. To deactivate this function, long press the "PRIOR" button for 2-3 seconds. The display flashes "AC OF" for a few seconds and returns to the default screen.
  Note: In TWS mode, the sing-along function will have to be activated or deactivated manually on both the units.

11. **Recording:**
    1. Insert a flash-based storage device (pen drive) into the USB/SD/MMC slot.
    2. Long press the "REC" switch until the "REC" icon on display starts blinking. The icon keeps blinking to indicate that the recording mode is active.
    3. Recording begins as soon as the mode is activated.
    4. To delete recordings, presse the REC switch and then press the INPUT button for around 2 seconds. The displays shows "Del" to indicate that the recording is deleted.
  Note: The recording mode only activates when a device is inserted into the USB/SD/MMC slot.

  Terms of Use: Studiomaster Professional respects intellectual property rights and we request our users to do the same. Please use MP3 downloads only from sources which you have legally purchased. PLEASE DO NOT USE PIRATED MUSIC OR PROGRAMS.

  Disclaimer: Your acceptance and use of this product will be treated as your agreement to the following clause: Studiomaster Professional, Audioplus and all associated companies and sellers are indemnified from any liability the end-user may incur by using illegally procured material or immoral content or any other such similar program selection.

12. **Display:** It always useful information while operating the media player & recorder sector.

6. Bluetooth Operation & Indication

- Press the input button (on the top panel) to select Bluetooth mode.
- From your phone or device turn Bluetooth ON & search for a device named "Muse 81" Pair and connect to it.
- Upon connection, any music or audio played on your device will be played via the Muse 81.
- The music can be controlled either using the button on the top panel or the IR remote control.
- If you move out of range or turn off the Bluetooth feature on your mobile device, the Bluetooth receiver will disconnect from your device.
- To reconnect, click on the device name "Muse 81" on your paired device list.

- If you want to switch from one device to another, end the existing Bluetooth connection from your device by either disconnecting via your device's "Setting" section or by turning off Bluetooth.

TROUBLESHOOTING BLUETOOTH CONNECTION

PROBLEM	POSSIBLE SOLUTION
Paired Bluetooth device does not connect.	Already connected to other BT device. Disconnect and pair the devices again.
Cannot pair the speaker with your Bluetooth device.	Make sure you select "Muse 81" in the pairing list on your device to finalize the connection.
	Your Bluetooth device may be out of range. Try moving it closer to the speaker.

## 7. True Wireless Stereo (TWS) Function & Operation

True Wireless Stereo (TWS) technology lets you use two Muse 81 units paired via Bluetooth to form a wireless left and right channel system to deliver true stereo sound. Apart from a louder output, TWS empowers a wide stereo imaging and natural, more pleasing sound.

Requirements:
- 2 x Muse 81 units with TWS compatibility
- Bluetooth device (smartphone, laptop, and TV etc.)

TWS Connection:
Note: Steps to connect via Bluetooth are mentioned in Section 6 on Page 4.
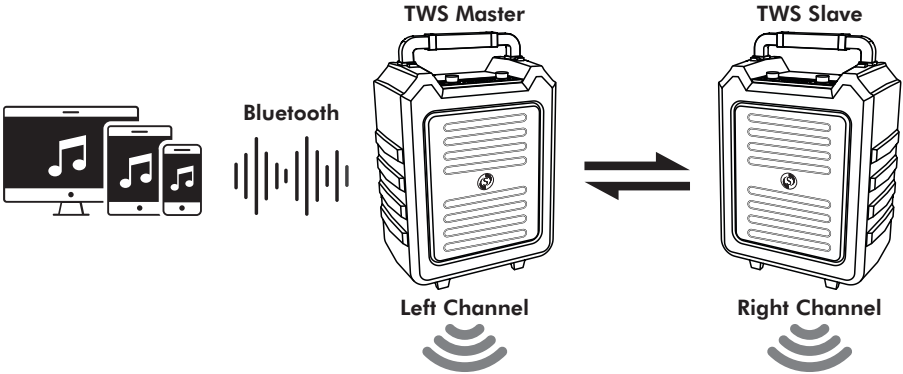
1. Press the input button on the top panel to select the Bluetooth mode and long-press the Next/Fast Forward (▶▶) button of the first Muse 81 unit. This will pair it as the master device to the selected audio source (smartphone, player, PC, TV, etc.).

2. After successfully pairing the first unit with the audio source, press the input button on the top panel to select the Bluetooth mode and long-press the Next/Fast Forward (▶▶) button of the second Muse 81 unit. This will pair the second Muse 81 (the so-called "slave") unit to the master device i.e. the master Muse 81 unit, not the source. This way, you'll get a stereo system, which plays separate left and right channels.

3. For optimal results, ensure both the units are at the same volume level. You can also place the speakers apart for a more spatial stereo sound and a wide dispersion area.

8. Handheld Transmitter Operation
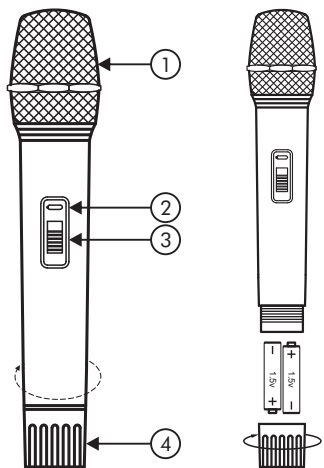
1. **Grill:** This hardened meshed grill protects the microphone diaphragm and also serves as an effective wind and pop filter.

2. **Transmitter LED:** This Green LED glows when the transmitter is switched ON.

3. **Switch:** The sliding switch has 3 positions:

Switch Position	Operating Mode
OFF	In this position, the handheld transmitter is OFF.
Mute	In this position, the handheld transmitter send only the RF signal. Essentially, it is a mute mode where the microphone is connected to the speaker but no audio signal is being sent.
ON	In this position, the handheld transmitter sends audio signal to the main speaker unit. Activate this mode to speak into the microphone and be heard.

4. **Battery Housing Cover:** Rotate the cover anti-clockwise to unscrew and gain access to the battery compartment. Insert 2 x 1.5V AA Alkaline batteries to use the supplied wireless microphone.

9. IR Remote Control Features
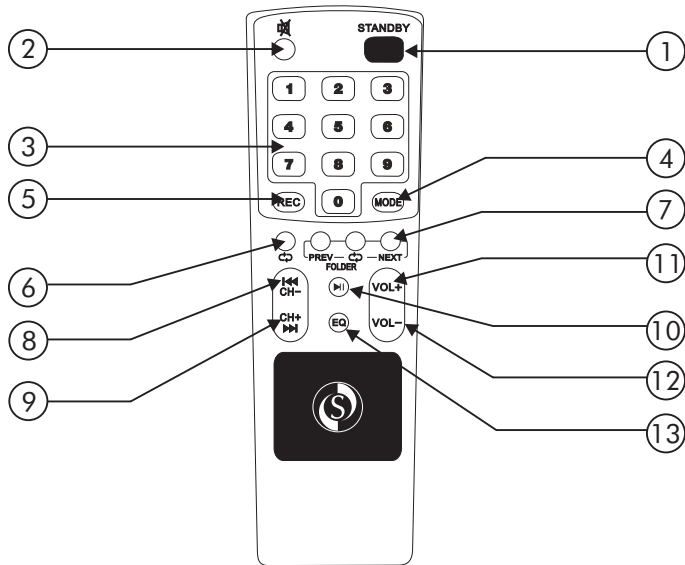
1. **Standby:** Press this button to switch the USB/SD card MP3 media player ON or OFF.

2. **Mute ( ):** Press this button to mute or unmute the media player.

3. **Number Keys:** Use this numeric keypad for direct track selection.

4. **Mode:** This button is used to switch between the Aux, Bluetooth and USB/SD (when a device is inserted) media player mode.

5. **Record:** Press this button to start recording any audio (Refer to section 5, Point 11 on page 4).

6. **Repeat ( ):** Press this button to repeat the track.

7. **Folder (Prev / Repeat / Next):** These 3 keys can be used to toggle between and the repeat the song folders stored on the USB/SD/MMC memory cards.

8. **Previous ( ):** Press this button to select the previous song Long pressing the button rewinds the song.

9. **Next ( ):** Press this button to select the next song. Long pressing the button fast forwards the song.

10. **Play/Pause ( ):** Press this button to play or pause the song.

11. **Volume (+):** During playback, press this button to increase the volume.

12. **Volume (-):** During playback, press this button to decrease the volume.

13. **EQ:** Press the button to toggle between and use any of the following bult-in-EQ presets.

a. Pop	b. Rock	c. Jazz	d. Classical	e. Club

10. Technical Specification

Model	Muse 81
Driver Size	LF - 8"
	HF (Tweeter) - 3"
Power Output (4Ω, 1kHz)	26W (RMS) @ 1% THD
	30W (RMS) @ 10% THD
Frequency Response	45Hz-20kHz ±2dB
S/N Ratio	>71dB
Inputs	1 x 6.35mm (¼") Mic, 1 x 6.35mm (¼")
	Guitar, 1 x 3.5mm EP Aux.
Output	1 x RCA (AUX) and 1 x RCA (Speaker 4-8 Ω)
Equalization	Bass - ±10dB @ 100Hz
	Treble - ±10dB @ 10kHz
Battery	Rechargeable 4500mAh 12V Lead Acid.
Battery Life	5 Hours (approx)
Charging Adapter	+15V DC
External Battery	+12V DC via Terminals on Rear Panel
Enclosure Material	PP+ABS
Dimensions (W x D x H) mm	360 x 210 x 525
Weight (Kg)	8.1

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