

Depusheng BF6

Depusheng BF6 Professional Audio Mixer User Manual

Model: BF6

1. INTRODUCTION

The Depusheng BF6 is a professional 5-channel audio mixer designed for various applications including live streaming, recording, DJing, and karaoke. It features digital effects, USB connectivity, Bluetooth, and MP3 playback capabilities, offering a versatile solution for audio mixing and processing.

2. PRODUCT FEATURES

- **256 Digital Effects:** Integrated 24-bit DSP with 256 selectable effects for enhanced audio processing.
- **5-Channel Input:** Multiple input options including XLR/6.35mm combo jacks for microphones and line-level instruments.
- **48V Phantom Power:** Built-in phantom power for connecting condenser microphones.
- **Bluetooth Connectivity:** Seamless wireless connection to mobile phones and tablets for audio streaming (Bluetooth 4.2 compatible).
- **USB/MP3 Player:** Supports MP3, WAV, APE lossless audio playback directly from a USB flash drive.
- **USB Audio Interface:** Functions as a USB sound card for direct connection to computers for recording and playback without additional drivers.
- **Flexible Power Options:** Can be powered via computer USB, power bank, or a standard power adapter.
- **Compact and Portable Design:** Lightweight and easy to transport for various setups.

3. PACKAGE CONTENTS

Please check the package for the following items:

- Depusheng BF6 Audio Mixer
- USB-A to USB-C Power Cable
- USB-A Male to USB-A Female Extension Cable
- 3.5mm Jack to RCA Stereo Audio Cable
- RCA to 6.35mm Jack Adapters (x2)
- User Manual

4. CONTROLS AND FUNCTIONS

This section provides an overview of the mixer's controls. Refer to the connection guide image for visual reference.



Figure 4.1: Depusheng BF6 Mixer Connection Guide. This diagram illustrates various input and output connections for the mixer, including microphones, instruments, speakers, and computers.

- **Input Channels (CH1, CH2, CH3):** Each channel features a combo XLR/6.35mm jack for connecting microphones or line-level instruments.
- **GAIN Control:** Adjusts the input sensitivity for each channel.
- **EQ Controls (HIGH, MID, LOW):** Three-band equalizer for adjusting the treble, midrange, and bass frequencies of each channel.
- **FX Control:** Sends a portion of the channel signal to the internal digital effects processor.
- **PAN Control:** Adjusts the stereo positioning (left/right) of the channel signal.
- **Channel Volume Faders:** Individual faders to control the output level of each channel.
- **48V PHANTOM Power Button:** Activates 48V phantom power for condenser microphones on channels 1-3.

- **MAIN OUT (L/R):** XLR and 6.35mm (1/4 inch) outputs for connecting to main speakers or amplifiers.
- **MONITOR (ST4/5):** Output for monitoring the mix.
- **MP3/Bluetooth Section:** Controls for USB playback and Bluetooth connectivity, including play/pause, skip, and mode selection.
- **256 DIGITAL EFFECT PROCESSORS:** Knob to select from 256 built-in digital effects.
- **FX RET Control:** Adjusts the return level of the effects.
- **PHONE Output:** 3.5mm headphone jack for monitoring.
- **USB POWER Input:** USB-C port for powering the mixer.
- **POWER Button:** Turns the mixer on or off.

5. SETUP

5.1 Powering the Mixer

The BF6 mixer offers flexible power options:

THREE WAYS TO POWER UP THE AUDIO MIXER

Note: power adapter, Laptop and power bank are not included in the product



power adapter



power bank



computer

Figure 5.1: Three Ways to Power Up the Audio Mixer. The image shows the mixer connected via USB to a power adapter, a power bank, and a computer, illustrating its versatile power input options.

1. Connect the provided USB-A to USB-C cable to the mixer's USB POWER input.
2. Connect the other end of the USB-A cable to a compatible power source: a 5V/2A power adapter (not included), a power bank (not included), or a computer's USB port.
3. Press the POWER button to turn on the mixer.

Note: Ensure the power source provides sufficient current (5V/2A) for stable operation. When using a USB-C to USB-C cable, ensure the power source is compatible with the mixer's power requirements, as Power Delivery (PD) protocols may not be supported. Using the supplied USB-A to USB-C cable is recommended.

5.2 Connecting Audio Inputs

Connect your audio sources to the input channels:

- **Microphones:** Connect dynamic microphones using XLR cables to CH1, CH2, or CH3. For condenser microphones, connect via XLR and activate the 48V PHANTOM power button.
- **Instruments:** Connect instruments like guitars or keyboards using 6.35mm (1/4 inch) TS/TRS cables to CH1, CH2, or CH3.
- **Line-level Devices:** Use appropriate cables to connect CD players, electronic organs, or other line-level devices.

5.3 Connecting Audio Outputs

Connect the mixer's outputs to your monitoring or amplification system:

- **Main Speakers/Amplifiers:** Connect XLR or 6.35mm (1/4 inch) cables from the MAIN OUT (L/R) to your active speakers or power amplifier.
- **Headphones:** Plug your headphones into the PHONE (3.5mm) output for personal monitoring.

5.4 Computer Connection (USB Audio Interface)

Computer Recording Function

Directly connected to the computer can be used for sound record, live broadcast, and also be used as a computer sound card.



Figure 5.2: Computer Recording Function. The image shows the Depusheng BF6 mixer connected to a laptop via USB, demonstrating its use as a sound card for recording and live broadcasting.

To use the mixer as a USB sound card:

1. Connect the mixer to your computer using a USB cable.
2. The computer should automatically recognize the mixer as an audio device without requiring additional drivers.
3. Select the mixer as your input/output device in your computer's sound settings or recording software.

6. OPERATING INSTRUCTIONS

6.1 Basic Mixing

1. Ensure all input sources are connected and the mixer is powered on.
2. Adjust the GAIN control for each active input channel to achieve an optimal input level without clipping (distortion).
3. Use the EQ controls (HIGH, MID, LOW) to shape the tone of each channel as desired.
4. Adjust the individual channel volume faders to balance the levels of all inputs in your mix.

5. Monitor your mix through headphones or main speakers, adjusting the MAIN OUT volume as needed.

6.2 Using Digital Effects

256 DIGITAL EFFECTS

256 DPS



256 BIT DIGITAL EFFECTOR		
01-13	ECHO	178-181 WAH+REV
14-35	REVERB	182-187 VOICE+ECHO
36-61	REV+ECHO	188-196 EDM
62-81	VOLCE	197-203 MAGIC SOUND
82-91	WAWA	204-208 S REVERB
92-98	GTR LOW	209-218 WAWA+REV
99-110	GTR MIDDLE	219 MALE/FEMAIE
111-122	GTR HIGH	220 FEMAIE/MAIE
123-128	CHOURS	221-228 EDM+H
129-140	VOICE+ECHO	229-235 LOLI+ECHO
141-148	S REVERB	236-240 PLATE
142-155	LARGE ROOM	241-245 KTV
156-162	SMALL ROOM	246-250 LVO
163-174	ELEGTRONIG MUSIC	251-256 TOM-TOM
175-177	LOLI VOICE	



Effect selection knob

Figure 6.1: 256 Digital Effects. The image highlights the digital effects processor section of the mixer, showing the display and selection knob for 256 different effects.

1. Turn the 256 DIGITAL EFFECT PROCESSORS knob to browse and select your desired effect. The display will show the effect number.
2. Use the FX control on each channel to send the signal to the effects processor.
3. Adjust the FX RET control to set the overall return level of the effects into the main mix.

6.3 Bluetooth and MP3 Playback

Bluetooth Connectivity

Easily and quickly connect to the Bluetooth of the mixer via mobile phones, iPad



Figure 6.2: Bluetooth Connectivity. This image shows the mixer's display indicating Bluetooth mode and a smartphone connected, demonstrating easy wireless audio streaming.



USB PLUG AND PLAY

Connect to your USB flash drive to play music or output recording to USB Stick.



Figure 6.3: USB Plug and Play. The image illustrates a USB flash drive inserted into the mixer's USB port, highlighting its direct MP3 playback and recording capabilities.

- **Bluetooth:** Press the MODE button in the MP3/Bluetooth section until "BT" or a similar indicator appears. On your mobile device, search for "BF6" (or similar) and pair. Play audio from your device, and control playback using the mixer's transport controls (play/pause, skip).
- **MP3 Playback (USB):** Insert a USB flash drive containing MP3, WAV, or APE audio files into the USB port. The mixer will automatically detect and begin playback. Use the transport controls to manage playback.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the mixer's surface. Avoid using liquid cleaners or solvents, as they may damage the finish or internal components.
- **Storage:** When not in use, store the mixer in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Management:** Ensure cables are not excessively bent or tangled to prevent damage to connectors and wiring.

8. TROUBLESHOOTING

- **No Power:** Ensure the USB power cable is securely connected to both the mixer and a functional power source (5V/2A). Check if the power button is pressed.
- **No Sound Output:** Verify that all input sources are active and their GAIN and channel volume faders are adjusted correctly. Check MAIN OUT connections to speakers/amplifiers and ensure their volume is up. Confirm headphone volume if monitoring.
- **USB Audio Interference/Noise:** Some users have reported background noise or interference when using the USB output for recording on PC or Mac. If experiencing this, try the following:
 - Ensure proper grounding of all connected equipment.
 - Use high-quality, shielded USB cables.
 - Try connecting the mixer to a different USB port on your computer or a different computer.
 - Consider using alternative recording methods if the issue persists.
- **Bluetooth Connection Issues:** Ensure the mixer is in Bluetooth mode. Check that your device's Bluetooth is enabled and within range. Try unpairing and re-pairing the device.
- **MP3 Playback Failure:** Ensure the USB flash drive is formatted correctly (FAT32) and contains supported audio file types (MP3, WAV, APE). Try a different USB drive.

9. SPECIFICATIONS

PRODUCT SIZE

Weight: 0.8kg/1.76lb

55mm/2.17in

180mm
7.09in

35mm
1.38in

195mm/7.68in



Figure 9.1: Product Size. The image displays the dimensions of the Depusheng BF6 mixer, indicating its compact form factor.

Specification	Value
Model Number	DPS-BF6
Dimensions (L x W x H)	26.2 x 23.6 x 7.6 cm (10.3 x 9.3 x 3.0 inches)
Weight	1 kg (2.2 lbs)
Voltage	10 Volts (Operating)
Power Input	USB 5V/2A
Digital Effects	256 DSP Effects (24-bit)
Bluetooth Version	4.2 (compatible with 2.1 + EDR)

10. WARRANTY AND SUPPORT

Information regarding product warranty and customer support was not available in the provided data. Please refer to the product packaging or the manufacturer's official website for details on warranty coverage and how to contact customer support.

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