TKLBLS T6

TKLBLS T6 Studio Audio Sound Mixer Board Instruction Manual

Model: T6

Introduction Features Product Overview Setup Operating Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

Thank you for choosing the TKLBLS T6 Studio Audio Sound Mixer Board. This 6-channel unpowered recording mixer is designed for versatile audio management across various applications, including KTV, live shows, streaming, and conferences. It features a USB audio interface, 48V phantom power, and integrated digital effects to enhance your sound production. Please read this manual thoroughly to ensure proper setup and operation of your new audio mixer.

2. Key Features

- **Versatile Playback Options:** Seamless music and audio playback with built-in MP3 support, USB drive compatibility, and stable Bluetooth wireless streaming.
- **6-Channel Input:** Manage up to 6 separate input sources simultaneously, including microphones, instruments, and media players. Each channel features independent GAIN and EQ knobs, with dedicated left/right sliding faders for intuitive volume balancing.
- **XLR & LINE Combo Jacks with +48V Phantom Power:**Supports both XLR and 1/4" LINE inputs via versatile combo jacks, offering maximum compatibility with dynamic mics, instruments, or condenser microphones. Activate the built-in +48V phantom power with a simple switch.
- **Precision Sound Shaping:** Independent high and low EQ controls on each channel for real-time tone adjustments. The built-in digital delay processor adds dimension and depth to vocals or instruments.
- **Multi-Scene Versatility:** Dedicated REC OUT jack for direct recording to an external device. Suitable for home karaoke, KTV rooms, podcast production, conference audio control, livestreaming, or

mobile stage shows.

3. Product Overview

The TKLBLS T6 mixer is designed for intuitive control and high-quality audio. Familiarize yourself with the layout of the mixer's panel and its various connection points.



Figure 1: Top-down view of the TKLBLS T6 mixer, highlighting its compact design and comprehensive controls.



Figure 2: Detailed introduction to the mixer's panel, labeling key components such as gain knobs, EQ controls, display screen, and master faders.



Figure 3: Illustrates various devices that can be connected to the mixer, including microphones, guitars, active speakers, headphones, flash drives, and computers.

4. Setup

4.1 Power Connection

Connect the mixer to a power source using the provided USB-C cable and power adapter. The power input is located on the rear panel of the mixer.

4.2 Connecting Microphones and Instruments

The TKLBLS T6 features XLR & LINE Combo Jacks for channels 1-4, supporting both XLR and 1/4" LINE inputs. Channels 5/6 and 7/8 are stereo line inputs.

- **XLR Microphones:** Plug your XLR microphone into any of the combo jacks (CH1-CH4). If using a condenser microphone, activate the +48V phantom power switch for that specific channel.
- **Instruments (Hi-Z):** For instruments like guitars, use a 1/4" TS cable and plug into a combo jack (CH1-CH4). Ensure the Hi-Z switch is engaged for optimal impedance matching.
- **Line-Level Devices:** For devices like keyboards or media players, use 1/4" TS/TRS cables for channels 1-4 or stereo 1/4" TS cables for channels 5/6 and 7/8.



Figure 4: Illustrates the independent +48V phantom power switches for each channel, essential for condenser microphones.

4.3 Connecting to a Computer (USB Audio Interface)

The mixer can function as a USB audio interface for recording and playback with your computer.

- Connect the mixer to your computer using a USB-C to USB-A cable (or USB-C to USB-C if your computer supports it).
- The mixer should be automatically recognized by your operating system. Select "USB Audio" as your input/output device in your computer's sound settings or DAW.



Figure 5: Shows the mixer connected to a laptop via USB, enabling lossless one-line transmission for recording.

4.4 Connecting Headphones and Monitors

- **Headphones:** Plug your headphones into the 3.5mm or 6.5mm PHONES jack. Adjust the PHONES volume knob for monitoring.
- **Main Output:** Connect your main speakers or power amplifier to the MAIN OUT XLR jacks.
- **Monitor Output:** Use the MONITOR OUT 1/4" jacks to connect to studio monitors or additional speakers.



Figure 6: Details the lossless monitoring headphone jack, supporting both 6.5mm and 3.5mm headphone outputs.

4.5 Video Guide: How to Use TKLBLS T6 DJ Mixer

Video 1: A comprehensive guide on how to set up and use the TKLBLS T6 DJ mixer, demonstrating various features and connections.

5. Operating the Mixer

5.1 Gain and EQ Controls

- **GAIN:** Adjusts the input sensitivity for each channel. Set it to an appropriate level to prevent clipping (indicated by the PK LED).
- **HI/MID/LOW EQ:** These knobs allow you to shape the tone of each channel. Adjust the high, mid, and low frequencies to achieve your desired sound.
- **LEVEL:** Controls the overall output level of each channel.

5.2 Digital Effects (DSP)

The mixer includes 99 built-in digital effects to add depth and character to your audio.

- **Selecting Effects:** Use the UP/DOWN buttons next to the digital display to browse through the 99 effects. Press the INPUT button to confirm your selection.
- **Applying Effects:** Use the EFF knob on each channel to send a portion of that channel's signal to the selected effect. Adjust the master EFF VOL knob to control the overall effect level.



Figure 7: Shows the digital display for selecting from 99 DSP effects, including various reverbs, delays, chorus, and more.

5.3 Playback Options

- **Bluetooth Streaming:** Activate Bluetooth mode on the mixer (indicated by 'bt' on the display). Pair your Bluetooth-enabled device (e.g., smartphone, tablet) with 'MV_BT10'. Adjust the MP3/BT volume knob to control playback level.
- **USB Drive Playback:** Insert a USB drive containing MP3 files into the USB port. The mixer will automatically detect and begin playback. Use the transport controls (play/pause, next/previous) on the mixer to manage your music.



Figure 8: Highlights the mixer's support for multiple playback modes, including Wireless Bluetooth 5.0 and USB lossless playback.

5.4 Monitoring

- **PHONES:** Use the dedicated PHONES jack and volume knob to monitor your mix through headphones.
- **AUX:** The AUX output can be used to send a separate monitor mix to external devices or stage monitors.

6. Maintenance

To ensure the longevity and optimal performance of your TKLBLS T6 mixer, follow these maintenance guidelines:

- **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:** Store the mixer in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. If storing for extended periods, consider using the original packaging for protection.
- **Handling:** Handle the mixer with care. Avoid dropping it or subjecting it to strong impacts. Do not place heavy objects on top of the mixer.
- **Cable Management:** Ensure all cables are properly connected and not under strain. Avoid bending cables sharply or placing them where they can be tripped over.

7. Troubleshooting

If you encounter issues with your TKLBLS T6 mixer, refer to the following common problems and solutions:

- **No Power:** Ensure the USB-C power cable is securely connected to both the mixer and a working power outlet. Verify the power adapter is functioning correctly.

- **No Sound Output:**
  - Check all input and output cable connections.
  - Verify that channel LEVEL, GAIN, and MAIN faders are appropriately set and not muted.
  - Ensure your speakers/headphones are powered on and connected correctly.
- **No Sound from Bluetooth/USB Drive:**
  - For Bluetooth, ensure the mixer is in 'bt' mode and correctly paired with your device.
  - For USB drive, ensure the drive is properly inserted and contains compatible MP3 files. Try a different USB drive if issues persist.
- **Effects Not Working:**
  - Ensure an effect is selected on the digital display.
  - Check that the EFF knob on the desired channel and the master EFF VOL knob are turned up.
- **Distorted Sound:**
  - Reduce the GAIN level for the input channel.
  - Lower the master MAIN fader or individual channel LEVEL knobs.
  - Check for damaged cables.

7.1 Video Guide: No Bluetooth/USB Stick Sound

Video 2: A user demonstrates an issue with no sound from Bluetooth or USB stick playback, providing a visual reference for troubleshooting similar problems.

7.2 Video Guide: Want to Love It But Disappointed

Video 3: A user expresses disappointment with Bluetooth and effects features not functioning correctly, offering insights into potential intermittent issues.

8. Specifications

Feature	Detail
Item Weight	2.87 pounds
Product Dimensions	8.46 x 10.63 x 2.13 inches
Item Model Number	T6
Power Source	Corded Electric
Voltage	110 Volts
Brand	TKLBLS
Number of Channels	6
Connectivity Technology	USB

9. Warranty and Support

For warranty information and customer support, please refer to the documentation included in your product

packaging or visit the official TKLBLS website. Keep your purchase receipt as proof of purchase for any warranty claims.