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> [Yamaha](#) /

> Yamaha TF3 24-Channel Digital Mixing Console User Manual

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Model: TF3

[Introduction](#)

[Setup](#)

[Operation](#)

[Features](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty](#)

1. INTRODUCTION

The Yamaha TF3 is a 24-channel digital mixing console designed for a wide range of audio applications. It combines ample input capacity with intuitive hands-on control, making it suitable for both experienced sound engineers and those new to digital mixing. This manual provides essential information for setting up, operating, and maintaining your TF3 console.



Figure 1: Front view of the Yamaha TF3 Digital Mixing Console. This image displays the console's layout with faders, buttons, and the central touchscreen interface.

2. SETUP

2.1 Unpacking and Placement

Carefully remove the TF3 console from its packaging. Place the console on a stable, flat surface, ensuring adequate ventilation around the unit. Avoid placing it near heat sources or in direct sunlight.

2.2 Power Connection

Connect the supplied power cord to the AC IN port on the rear panel of the console and then to a suitable power outlet. Ensure the power switch is in the OFF position before connecting to power.

2.3 Input and Output Connections

The TF3 offers various input and output options:

- **Analog Inputs:** Connect microphones and line-level devices to the XLR/TRS combo jacks (channels 1-24) and stereo line inputs (RCA pins).
- **Analog Outputs:** Use the XLR outputs for main stereo mix, auxiliary sends, and other assignments.
- **USB Connectivity:** The "TO HOST" USB port allows connection to a computer for multi-track recording/playback and control.

- **Wi-Fi:** The console supports Wi-Fi connectivity for remote control via dedicated applications.



Figure 2: Rear panel of the Yamaha TF3, showing various input and output connectors including XLR, RCA, USB, and the power input.

3. OPERATING INSTRUCTIONS

3.1 Powering On and Initial Setup

After connecting all cables, flip the power switch to the ON position. The console will boot up, displaying the Yamaha logo on the LCD touchscreen. Follow any on-screen prompts for initial setup or calibration.

3.2 Navigating the Touchscreen Interface

The TF3 features an intuitive touchscreen interface for controlling various parameters. Tap on elements to select them, and use drag gestures to adjust values or scroll through menus. The screen provides visual feedback for EQ, dynamics, and routing.



Figure 3: A close-up view of the TF3's touchscreen, demonstrating the intuitive graphical interface for adjusting equalization parameters.

3.3 Fader and Channel Control

The console is equipped with 25 motor faders (24 channels + 1 master). Each channel strip includes dedicated buttons for **SEL** (select), **ON** (mute/unmute), and **CUE** (listen). Adjust faders to control channel levels. The **FADER BANK** buttons allow switching between different layers of channels.

3.4 Using Presets and Scenes

The TF3 allows you to save and recall scenes, which store all console settings. This is useful for quick setup changes between different performances or configurations. Utilize the practical presets for various instruments and vocal types to achieve a good starting sound quickly.



Figure 4: An individual preparing a microphone, highlighting the initial steps before utilizing the console's practical presets and scene functions for optimal sound.

3.5 Digital Audio Workstation (DAW) Integration

Connect the TF3 to a computer via USB to use it as an audio interface for multi-track recording and playback with your preferred DAW. This allows for recording practice sessions with effects and saving scenes for live performances.

4. KEY FEATURES

- **25 Motor Faders:** Including 24 channel faders and 1 master fader for precise control.
- **48 Input Mixing Channels:** Comprising 40 mono, 2 stereo, and 2 return channels.
- **20 Aux Buses:** (8 mono + 6 stereo) plus Stereo and Sub buses for flexible routing.
- **8 DCA Groups with Roll-out:** For efficient group control of multiple channels.
- **Analog Inputs:** 24 XLR/TRS combo mic/line inputs and 2 RCA pin stereo line inputs.
- **Intuitive Touchscreen:** For easy navigation and parameter adjustment.
- **USB and Wi-Fi Connectivity:** For recording, playback, and remote control.
- **QuickPro Presets™:** Optimized settings for various microphones and output equipment.
- **Scene Memory:** Ability to save and recall complete console settings.

5. MAINTENANCE

5.1 Cleaning

Regularly wipe the console's surface with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth with a mild, non-abrasive cleaner. Avoid using harsh chemicals, solvents, or abrasive materials, as these can damage the finish and electronic components. Keep the touchscreen clean using a microfiber cloth.

5.2 Ventilation

Ensure that the ventilation openings on the console are not blocked. Proper airflow is crucial to prevent overheating and ensure the longevity of the internal components.

5.3 Software Updates

Periodically check the Yamaha website for firmware updates. Keeping your console's software up-to-date ensures optimal performance, new features, and bug fixes.

6. TROUBLESHOOTING

6.1 No Power

- Check if the power cord is securely connected to both the console and the power outlet.
- Verify that the power outlet is functional by plugging in another device.
- Ensure the power switch on the console is in the ON position.

6.2 No Sound Output

- Confirm that the master fader is raised and not muted.
- Check individual channel faders and ensure they are not muted or at minimum level.
- Verify that input sources are connected correctly and are active.
- Inspect output cables and connections to amplifiers or powered speakers.
- Ensure correct routing in the console's software interface.

6.3 Touchscreen Unresponsive

- Try restarting the console.
- Ensure the screen is clean and free of debris.
- If the issue persists, contact Yamaha support.

7. SPECIFICATIONS

Feature	Detail
Brand	Yamaha
Model Number	TF3
Number of Channels	24 (physical inputs), 48 (mixing channels)
Product Dimensions (D x W x H)	23.6"D x 28.2"W x 8.9"H
Item Weight	17 Kilograms
Connectivity Technology	USB, Wi-Fi
Power Source	Corded Electric
Output Connector Type	XLR
Audio Input	XLR/TRS combo, stereo line (RCA)
UPC	086792992891

8. WARRANTY AND SUPPORT

8.1 Manufacturer's Warranty

The Yamaha TF3 Digital Mixing Console comes with a **1-year manufacturer warranty** from Yamaha Corporation of America. This warranty applies only to products purchased from an authorized Yamaha retailer within the fifty United States (including the District of Columbia) and used within this area. For complete details and terms, please refer to the official Yamaha limited warranty statement available on the Yamaha website.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Yamaha customer support. You can find contact information and additional resources on the official Yamaha website (www.yamaha.com).