

FULODE EQ315

FULODE EQ315 Professional 31-Band Digital Equalizer User Manual

Model: EQ315 | Brand: FULODE

INTRODUCTION

The FULODE EQ315 is a professional 31-band digital equalizer designed for home audio systems, KTV venues, music studios, and DJ equipment. It features real-time frequency level display, intelligent noise reduction, and versatile connectivity options to enhance your audio experience.

KEY FEATURES

- 31-Band Digital Equalization:** Offers precise control over audio frequencies with 31 segments and LED spectrum indication for real-time visual feedback.
- 10 Preset Modes & EQ BYPASS:** Save up to 10 custom effect presets for quick recall. The EQ BYPASS function allows for simplified machine debugging.
- Intelligent Noise Reduction:** Enhances audio clarity by minimizing unwanted background noise.
- Wireless Bluetooth 5.2:** Built-in module with an enhanced antenna for stable and low-latency wireless audio streaming.
- USB Connection Playback:** Equipped with a USB slot for playing lossless music audio files directly from a USB drive.
- Independent Subwoofer Output:** Features a dedicated subwoofer output with adjustable frequency (50Hz-250Hz) for enhanced bass control.
- Versatile Connectivity:** Supports XLR balanced and 1/4" TRS unbalanced inputs and outputs, ensuring compatibility with a wide range of audio setups.
- Rack-Mount Design:** Standard design for straightforward installation in audio racks.

SAFETY INFORMATION

Please read and understand all safety instructions before operating this device. Keep this manual for future reference.

- Power Source:** Connect the unit only to the specified power supply. Ensure the voltage matches the unit's requirements.
- Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- Water and Moisture:** Do not expose the unit to rain, moisture, or excessive humidity. Do not place objects filled with

liquids on the unit.

- **Servicing:** Do not attempt to service this unit yourself. Refer all servicing to qualified service personnel.
- **Placement:** Place the unit on a stable, level surface. Avoid placing it near heat sources or in direct sunlight.

SETUP

1. Unpacking and Inspection

Carefully remove the EQ315 from its packaging. Inspect the unit for any signs of damage during transit. Retain the packaging for future transport or storage.

2. Rack Mounting (Optional)

The EQ315 is designed for standard 19-inch rack mounting. Secure the unit using appropriate rack screws (not included) to ensure stability.



Figure 1: Front and Rear Panels of the FULODE EQ315 Equalizer. This image shows the overall design and layout of the unit, highlighting its rack-mountable form factor and various input/output options.

3. Connecting Audio Devices

The EQ315 offers multiple input and output options for versatile integration into your audio system.

WITH SAVE AND RECALL FUNCTION

Can save 10 modes for calling. Lightly press the SAVE button and rotate the knob GAIN or VOLUME to select any mode from 1-10 to save. The display screen will show options 1-10. Press SAVE again to save mode successfully



Figure 2: Rear Panel Connections. This image details the various input and output ports available on the EQ315, including XLR, 1/4" TRS, RCA, and the independent subwoofer output.

- **XLR Inputs/Outputs:** Use XLR cables for balanced audio connections to professional audio equipment like mixers or power amplifiers.
- **1/4" TRS Inputs/Outputs:** Use 1/4" TRS cables for unbalanced audio connections to compatible devices.
- **RCA Inputs/Outputs:** Use RCA cables for connecting to consumer-grade audio equipment such as home theater receivers or CD players.
- **Subwoofer Output (XLR):** Connect your subwoofer to this dedicated XLR output. The frequency can be adjusted later during operation.

4. Power Connection

Connect the provided power cord to the AC INPUT on the rear panel of the EQ315 and then to a suitable power outlet. Ensure the power switch is in the OFF position before connecting.

1. Powering On/Off

Press the POWER button on the front panel to turn the unit ON or OFF. The LED spectrum display will illuminate upon power-on.

2. Basic Equalization Adjustment

The EQ315 features 31 frequency bands, each with an individual slider for precise adjustment. The LED spectrum display provides real-time visual feedback of the sound quality condition.



Figure 3: 31-Band Digital Equalizer Display. This image illustrates the visual feedback provided by the LED spectrum, showing the real-time frequency levels.

You can also adjust bass, midrange, and treble equalization independently:

Compatible with various devices

Multiple types of interface input and output more compatible

Adopting multiple types of input and output interfaces, TRS6.35mm/RCA connector/XLR card interface is easy to use and compatible with more audio devices



Figure 4: Bass, Midrange, and Treble Equalization. This image shows the separate controls for bass (20-250Hz), midrange (315-2500Hz), and treble (3.15-20KHz) adjustments.

- **Bass Equalization:** Adjust frequencies from 20-250Hz.
- **Midrange Equalization:** Adjust frequencies from 315-2500Hz.
- **Treble Equalization:** Adjust frequencies from 3.15-20KHz.
- Use the GAIN knob to select the spectrum and the VOLUME knob to adjust the intensity.

3. Preset Modes and EQ BYPASS

The EQ315 allows you to save and recall up to 10 custom equalization settings.



Figure 5: Save and Recall Function. This image highlights the SAVE and RECALL buttons used for managing custom equalization presets.

- **Saving a Preset:** Adjust the EQ settings to your preference. Lightly press the **SAVE** button and rotate the GAIN or VOLUME knob to select a mode from 1-10. Press **SAVE** again to confirm.
- **Recalling a Preset:** Press the **RECALL** button to select a saved mode.
- **EQ BYPASS:** Press the **BYPASS** button to temporarily disable the equalizer effect, allowing for direct comparison or simplified debugging.

4. Bluetooth Connection

The EQ315 features a built-in Bluetooth 5.2 module for wireless audio streaming.

Wireless Bluetooth transmission

Built-in wireless Bluetooth 5.2 module, the back is equipped with enhanced antenna, supports most of the digital products on the market with Bluetooth function, low latency, let you enjoy music at any time



USB connection playback
Lossless music audio source Equipped with a USB slot, Mp3 lossless audio files can be downloaded to a USB drive MP3 Then insert it into the USB Slot of the effects device to enjoy your favorite music as you wish

Figure 6: Bluetooth and USB Features. This image shows the Bluetooth antenna and USB port, illustrating the wireless and wired digital audio input options.

- Ensure the enhanced antenna is properly connected to the rear panel.
- Activate Bluetooth on your mobile device or computer.
- Search for "FULODE EQ315" (or similar) in your device's Bluetooth settings and pair.

5. USB Playback

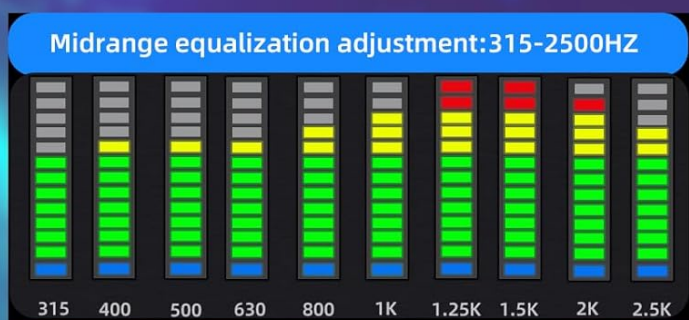
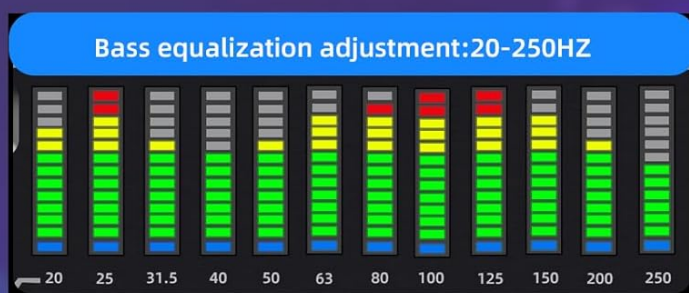
Insert a USB drive containing lossless music audio files into the USB slot on the front panel. The unit will automatically detect and begin playback.

6. Subwoofer Output Adjustment

The independent subwoofer output allows for fine-tuning of bass frequencies.

PROFESSIONAL 31-BAND

Individually adjustable treble/midrange/bass



Bass/midrange/cool band signal strength at a glance to help you easily with the desired effect parameters



Blue static state means normal
(blue blinking light means band parameter increase or attenuation adjustment)



Green light means normal state



Yellow light for warning status



Red light for critical state



Figure 7: Independent Subwoofer Output. This image details the LEVEL and FREQ controls for the dedicated subwoofer output on the rear panel.

- **LEVEL:** Adjusts the gain (volume) of the subwoofer output.
- **FREQ:** Adjusts the operating frequency of the subwoofer output between 50Hz-250Hz.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners or solvents.
- **Ventilation:** Regularly check that the ventilation openings are clear of dust and debris.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place, preferably in its original packaging.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cord not connected; Power outlet faulty; Unit power switch off.	Ensure power cord is securely connected. Test power outlet with another device. Turn the unit's power switch ON.
No sound output	Incorrect audio connections; Input source not playing; Volume too low; EQ BYPASS engaged.	Check all audio cables and connections. Verify the input source is active and playing. Increase the volume on the EQ315 and connected devices. Disengage EQ BYPASS.
Distorted sound	Input signal too high; EQ settings too extreme; Faulty cables.	Reduce the input level from the source device. Adjust EQ sliders to less extreme positions. Check and replace audio cables if necessary.
Bluetooth not connecting	Bluetooth not enabled on device; Unit not in pairing mode; Interference.	Ensure Bluetooth is active on your device. Restart both the EQ315 and your Bluetooth device. Move closer to the unit to reduce interference.
USB playback not working	USB drive not formatted correctly; Unsupported file format; USB drive faulty.	Ensure USB drive is formatted to a compatible file system (e.g., FAT32). Verify audio files are in a supported format (e.g., MP3, WAV). Try a different USB drive.

SPECIFICATIONS

Feature	Detail
Model Number	EQ315
Item Weight	4.44 pounds
Package Dimensions	21 x 9 x 3 inches
Country of Origin	China
Color Name	Black
Power Source	Corded Electric
Bluetooth Version	5.2
Subwoofer Frequency Range	50Hz-250Hz

WARRANTY AND SUPPORT

FULODE products are manufactured to high quality standards. For warranty information and technical support, please refer to the purchase documentation or contact FULODE customer service directly. You can also visit the official FULODE store for more information:[FULODE Store](#)

