

## Fender 65 Twin Reverb

# Fender '65 Twin Reverb Guitar Amplifier Instruction Manual

Model: 0217300000

## 1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your Fender '65 Twin Reverb Guitar Amplifier. The '65 Twin Reverb is an 85-watt, all-tube amplifier designed for electric guitar, featuring two 12-inch Jensen C-12K speakers, dual channels (Normal and Vibrato), Fender reverb, and vibrato effects. It is equipped with four 6L6 Groove Tubes output tubes, four 12AX7 preamp tubes, and two 12AT7 preamp tubes. The amplifier's construction includes a black textured vinyl covering, silver grille cloth, and tilt-back legs for sound projection.

Key features include:

- 85 watts of output power at 4 ohms.
- Two 12-inch 8-ohm Jensen C-12K speakers for clear sound reproduction.
- All-tube design with four 6L6 Groove Tubes output tubes, four 12AX7 preamp tubes, and two 12AT7 preamp tubes.
- Dual channels: Normal and Vibrato.
- Integrated Fender reverb and vibrato effects.
- Includes a two-button footswitch for reverb and vibrato on/off control.
- Equipped with tilt-back legs for optimal sound projection.



Image 1.1: Front view of the Fender '65 Twin Reverb Guitar Amplifier, showcasing its classic black textured vinyl covering and silver grille cloth, with control panel visible at the top.

## 2. SAFETY INFORMATION

Before operating this amplifier, please read and understand all safety warnings and instructions. Retain this manual for future reference.

- **Electrical Shock Hazard:** Do not open the amplifier chassis. Refer all servicing to qualified service personnel.
- **High Voltage:** Tube amplifiers operate with extremely high voltages internally, which can be lethal.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Moisture:** Do not expose the amplifier to rain or moisture.
- **Power Cord:** Use only the provided power cord. Do not defeat the grounding-type plug.
- **Hearing Protection:** Prolonged exposure to high volume levels can cause permanent hearing damage.
- **Proposition 65 Warning:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## 3. SETUP AND CONNECTIONS

Follow these steps to set up your amplifier:

1. **Placement:** Place the amplifier on a stable, level surface. Utilize the tilt-back legs for improved sound projection if desired. Ensure sufficient space around the amplifier for ventilation.

2. **Power Connection:** Connect the supplied AC power cord to the amplifier's AC inlet and then to a grounded electrical outlet. Ensure the amplifier's power switch is in the OFF position before connecting.
3. **Instrument Connection:** Connect your guitar to either the "INPUT 1" or "INPUT 2" jack on the desired channel (Normal or Vibrato) using a high-quality instrument cable. Input 1 typically offers higher sensitivity.
4. **Footswitch Connection:** Connect the two-button footswitch to the "FOOTSWITCH" jack on the rear panel. This allows remote control of the Reverb and Vibrato effects.



Image 3.1: Top-down view of the Fender '65 Twin Reverb Guitar Amplifier with dimensions indicated. The amplifier measures approximately 28.25 inches in width, 22.5 inches in depth, and 12.25 inches in height.

## 4. OPERATING INSTRUCTIONS

Familiarize yourself with the amplifier's controls before powering on.

### 4.1. Powering On/Off

1. Ensure all volume controls are set to zero.
2. Flip the POWER switch to the ON position.
3. Flip the STANDBY switch to the ON position after approximately 30-60 seconds. This allows the tubes to warm up, extending their lifespan.
4. To power off, reverse the process: STANDBY to OFF, then POWER to OFF.

### 4.2. Control Panel Overview



The front panel features controls for two independent channels: Normal and Vibrato.

Control Panel Functions

Control	Description
Normal Channel Inputs (1 & 2)	Input jacks for the Normal channel. Input 1 is higher sensitivity.
Normal Volume	Adjusts the overall output level of the Normal channel.
Normal Treble	Adjusts the high-frequency response of the Normal channel.
Normal Middle	Adjusts the mid-range frequency response of the Normal channel.
Normal Bass	Adjusts the low-frequency response of the Normal channel.
Vibrato Channel Inputs (1 & 2)	Input jacks for the Vibrato channel. Input 1 is higher sensitivity. This channel includes Reverb and Vibrato effects.
Vibrato Volume	Adjusts the overall output level of the Vibrato channel.
Vibrato Treble	Adjusts the high-frequency response of the Vibrato channel.
Vibrato Middle	Adjusts the mid-range frequency response of the Vibrato channel.
Vibrato Bass	Adjusts the low-frequency response of the Vibrato channel.
Reverb	Controls the intensity of the spring reverb effect.
Speed (Vibrato)	Adjusts the rate of the vibrato (tremolo) effect.
Intensity (Vibrato)	Adjusts the depth of the vibrato (tremolo) effect.
Pilot Lamp	Illuminates when the amplifier is powered on.

Experiment with the tone controls (Treble, Middle, Bass) to shape your sound. The Reverb and Vibrato effects can be activated or deactivated using the front panel controls or the included footswitch.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your amplifier.

- **Cleaning:** Clean the amplifier's exterior with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Tube Replacement:** Vacuum tubes have a finite lifespan. If you notice a decrease in performance, unusual noise, or loss of power, tubes may need replacement. This should be performed by a qualified technician.
- **Storage:** Store the amplifier in a dry, temperature-controlled environment, away from direct sunlight and extreme temperatures.
- **Transportation:** When transporting, ensure the amplifier is securely packed to prevent damage from impacts.

6. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, contact qualified

service personnel.

Common Troubleshooting Scenarios

Problem	Possible Cause / Solution
No Sound	<ul style="list-style-type: none"><li>◦ Check power connection and ensure POWER and STANDBY switches are ON.</li><li>◦ Verify instrument cable is securely connected to both guitar and amplifier.</li><li>◦ Ensure speaker cable is connected (if applicable, though this is a combo amp).</li><li>◦ Check volume controls on both amplifier and guitar.</li><li>◦ Test with a different instrument cable or guitar.</li></ul>
Weak or Distorted Sound	<ul style="list-style-type: none"><li>◦ Check for faulty tubes (glowing dimly, rattling, or not glowing).</li><li>◦ Ensure tone controls are not set to extreme positions.</li><li>◦ Test with a different instrument cable or guitar.</li><li>◦ Speaker damage.</li></ul>
Excessive Hum or Noise	<ul style="list-style-type: none"><li>◦ Ensure proper grounding of the power outlet.</li><li>◦ Move amplifier away from other electronic devices that may cause interference.</li><li>◦ Check for faulty tubes.</li><li>◦ Try a different power outlet.</li></ul>
Reverb or Vibrato Not Working	<ul style="list-style-type: none"><li>◦ Ensure the Reverb/Vibrato controls are turned up.</li><li>◦ Check the footswitch connection and ensure it is not faulty.</li><li>◦ For reverb, check the spring reverb tank connections (internal, requires service).</li></ul>

7. SPECIFICATIONS

Detailed technical specifications for the Fender '65 Twin Reverb Guitar Amplifier.

- **Model Name:** '65 Twin Reverb
- **Model Number:** 0217300000
- **Series:** Vintage Reissue
- **Amplifier Type:** Tube
- **Output Power:** 85 Watts into 4 Ohms
- **Speakers:** Two 12" Jensen C-12K (8 Ohm)
- **Preamp Tubes:** 4 x 12AX7, 2 x 12AT7
- **Power Tubes:** 4 x 6L6 Groove Tubes
- **Channels:** Two (Normal and Vibrato)
- **Controls (Normal Channel):** Volume, Treble, Middle, Bass

- **Controls (Vibrato Channel):** Volume, Treble, Middle, Bass, Reverb, Speed, Intensity
- **Effects:** Reverb, Vibrato (Tremolo)
- **Footswitch:** 2-Button Footswitch included (Reverb On/Off, Vibrato On/Off)
- **Cabinet Material:** Birch/Maple Plywood
- **Covering:** Black Textured Vinyl
- **Grille Cloth:** Silver
- **Product Dimensions (L x W x H):** 28.25 x 22.5 x 12.25 inches
- **Item Weight:** 72 pounds
- **ASIN:** B0002E3GLY
- **Manufacturer:** Fender Musical Instruments Corp.



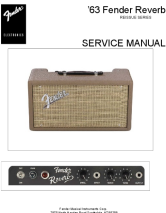
## 8. WARRANTY AND SUPPORT




Fender Musical Instruments Corporation (FMIC) provides a limited warranty for its products. Specific warranty terms and conditions may vary by region and product type. Please refer to the official Fender website or your product's warranty card for detailed information.

For technical support, service, or warranty claims, please contact Fender Customer Support through their official website or authorized service centers. Always provide your amplifier's model number (0217300000) and serial number when seeking support.

**Online Resources:** For additional information, FAQs, and support, visit the official Fender website: [www.fender.com](http://www.fender.com)

### Related Documents - 65 Twin Reverb

	<p><a href="#">Fender Pro-Reverb Amp Service Manual</a></p> <p>Comprehensive service manual for the Fender Pro-Reverb Amp (Model 021-5500-000), providing detailed specifications, parts lists, schematics, and assembly instructions for technicians.</p>
	<p><a href="#">Fender Tone Master Pro Model Guide: Amplifiers, Effects, and Cabinets</a></p> <p>Explore the Fender Tone Master Pro Model Guide, featuring detailed descriptions of amplifier models, cabinet impulse responses, effects, and microphones. Discover iconic tones and advanced features for musicians.</p>
	<p><a href="#">'63 Fender Reverb Reissue Series Service Manual</a></p> <p>This service manual for the Fender '63 Reverb Reissue Series amplifier provides essential technical information for maintenance and repair. It covers theory of operation, component codes, and a summary of parts lists and schematics. Essential for technicians working on this iconic guitar amplifier.</p>

 The image shows the cover of a Fender Owner's Manual. It features the Fender logo in white on a red background. Below the logo, the text "OWNER'S MANUAL" is visible in a smaller font.	<p><a href="#">Fender Electric Guitar Owner's Manual: Setup, Maintenance, and History</a></p> <p>Comprehensive owner's manual for Fender electric guitars, covering setup, maintenance, anatomy, history, and safety guidelines. Learn to adjust your Stratocaster, Telecaster, and other models.</p>
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 The image shows the cover of a Fender '65 Deluxe Reverb Owner's Manual. It features the Fender logo in black on a white background. Below the logo, the text "THE TONE THAT CREATES LEGENDS" is visible. At the bottom, there is a black bar with the text "'65 Deluxe Reverb" and "Owner's Manual" in white.	<p><a href="#">Fender '65 Deluxe Reverb Amplifier Owner's Manual   PR 239 Specifications &amp; Features</a></p> <p>Comprehensive owner's manual for the Fender '65 Deluxe Reverb amplifier (Type PR 239). Details front panel, rear panel, footswitch functions, specifications, troubleshooting, and care.</p>