

Orange DT30H

Orange Dual Terror DT30H Guitar Amp Head Instruction Manual

Model: DT30H

INTRODUCTION

This manual provides essential information for the safe and effective operation of your Orange Dual Terror DT30H Guitar Amp Head. The Dual Terror is a versatile, all-valve amplifier head featuring foot-switchable twin channels and multiple power output options, designed to deliver classic Orange tone in a compact package. Please read this manual thoroughly before connecting or operating your amplifier.

SAFETY INFORMATION

Always observe the following safety precautions to prevent electric shock, fire, or damage to the amplifier:

- Do not expose this appliance to rain or moisture.
- Do not remove the amplifier chassis. Refer all servicing to qualified personnel.
- Ensure the amplifier is properly grounded.
- Always use a speaker cable to connect the amplifier to a speaker cabinet. Never use an instrument cable.
- Ensure the correct speaker impedance is matched between the amplifier and cabinet.
- Disconnect the power cord before cleaning or when not in use for extended periods.

The rear panel of the amplifier includes important safety warnings and connection labels. Refer to the image below for details.



Image: Rear view of the Orange Dual Terror DT30H, highlighting the speaker outputs (8 Ohm, 16 Ohm), power input, and various warning labels. This panel is crucial for safe and correct connections.

SETUP

Follow these steps to set up your Orange Dual Terror DT30H amplifier head:

1. **Placement:** Place the amplifier head on a stable, level surface, ensuring adequate ventilation around the unit.
2. **Speaker Connection:** Connect your speaker cabinet(s) to the appropriate speaker output jacks on the rear panel using a dedicated speaker cable.
 - For a single 16 Ohm cabinet: Connect to the **16 Ohm output**.
 - For a single 8 Ohm cabinet: Connect to one of the **8 Ohm outputs**.
 - For two 16 Ohm cabinets: Connect each cabinet to one of the **8 Ohm outputs**.

Important: Always ensure a speaker load is connected before powering on the amplifier to prevent damage.

3. **Power Connection:** Ensure the amplifier's power switch is in the "OFF" position. Connect the supplied power cord to the AC input on the rear panel and then to a grounded electrical outlet.

4. **Instrument Connection:** Connect your guitar to the **GUITAR INPUT** jack on the front panel using a high-quality instrument cable.
5. **Footswitch (Optional):** If using a footswitch for channel switching, connect it to the **CHANNEL** footswitch jack on the rear panel.



Image: Front view of the Orange Dual Terror DT30H, displaying the control knobs for Volume, Tone, and Gain for both the Fat and Tiny Terror channels, along with the power switches and guitar input.

OPERATING INSTRUCTIONS

The Orange Dual Terror DT30H features two distinct channels and flexible power output options.

Powering On and Off

1. Ensure all connections are secure and volume controls are set to minimum.
2. Flip the **POWER** switch to the "ON" position. The indicator light will illuminate.
3. Wait approximately 30-60 seconds for the tubes to warm up, then flip the **STBY** (Standby) switch to the "FULL" or "HALF" position to engage the amplifier.
4. To power off, first flip the **STBY** switch to the "STBY" position, wait a few seconds, then flip the **POWER** switch to "OFF".

Controls and Channels

The front panel features controls for two channels:

- **Fat Channel:** Offers a fuller, warmer tone with increased gain. Controls include **VOLUME**, **TONE**, and **GAIN**.
- **Tiny Terror Channel:** Provides the classic, aggressive "Tiny Terror" sound. Controls include **VOLUME**, **TONE**, and **GAIN**.

Switch between channels using the **CHANNEL** toggle switch on the front panel or an optional footswitch connected to the rear.

Power Output Options

The **POWER OUTPUT** switch allows you to select different wattage settings:

- **7 Watts:** Lower power setting, ideal for practice or when less volume is required.
- **15 Watts (2 valve):** Medium power setting, offering a balance of volume and tube saturation.
- **15 Watts (4 valve):** Similar to the 2-valve 15W setting but with a different tube configuration for a slightly altered response.
- **30 Watts:** Full power setting for maximum headroom and volume, suitable for live performances.

Experiment with these settings to find the optimal tone and volume for your playing environment.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your amplifier.

- **Cleaning:** Clean the exterior of the amplifier with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Tube Replacement:** The amplifier uses 4 x EL84 power amp tubes and 4 x ECC83/12AX7 preamp tubes. Tubes have a finite lifespan and will eventually need replacement. If you notice a decrease in performance, unusual noise, or loss of volume, consult a qualified technician for tube testing and replacement. Always use matched sets of power tubes.
- **Ventilation:** Ensure the amplifier's vents are not obstructed to prevent overheating.
- **Storage:** When not in use, store the amplifier in a dry, temperature-controlled environment.

TROUBLESHOOTING

If you encounter issues with your Dual Terror DT30H, refer to the following common troubleshooting steps:

- **No Sound:**
 - Check all cable connections (power, speaker, instrument).
 - Ensure the **POWER** and **STBY** switches are in the correct "ON" positions.
 - Verify speaker impedance matching.
 - Test with a different instrument cable and guitar.
 - Check for blown fuses (refer to a qualified technician).
- **Hum or Unwanted Noise:**
 - Ensure proper grounding of the amplifier and other equipment.
 - Try a different power outlet.
 - Move the amplifier away from other electronic devices that may cause interference.
 - Faulty tubes can cause hum; consult a technician.
- **Loss of Volume or Weak Tone:**
 - Check the **POWER OUTPUT** switch setting.
 - Inspect tubes for signs of failure (e.g., red plating, microphonics).
 - Ensure speaker cone is not damaged.

If problems persist after attempting these steps, contact Orange customer support or a qualified service technician.

SPECIFICATIONS

Feature	Detail
Model	DT30H
Output Power	7, 15 (2 valve), 15 (4 valve), and 30 Watts (switchable)
Preamp Valves	4 x ECC83/12AX7
Power Amp Valves	4 x EL84
Channels	Foot-switchable Twin Channel (Fat, Tiny Terror)
Controls	Volume, Tone, Gain for each channel
Speaker Outputs	1 x 16 Ohm, 2 x 8 Ohm
Item Weight	27 pounds (approx. 12.25 kg)
Product Dimensions	19 x 13 x 13 inches (approx. 48.3 x 33 x 33 cm)
Material	Metal chassis
Compatible Devices	Guitar
Connector Type	6.35mm Jack (Instrument Input)

WARRANTY INFORMATION

Orange Amplification products are covered by a manufacturer's warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and product type. Please retain your proof of purchase. For detailed warranty information, including registration and claims procedures, please refer to the official Orange Amplification website or contact your authorized dealer.

Note: Tubes are consumable items and typically have a shorter warranty period than the amplifier itself.

SUPPORT

For technical assistance, service, or further inquiries regarding your Orange Dual Terror DT30H, please visit the official Orange Amplification website or contact their customer support department. You can often find FAQs, service center locators, and contact forms on their website.

Online Resources: www.orangeamps.com

When contacting support, please have your amplifier's model number (DT30H) and serial number ready.

