

Product Manual: Orange Outlowd ES60

Thank you for choosing Orange.

Since its founding in 1968, Orange Amplification has been built by guitarists, for guitarists. Today, backed by a team of passionate industry-leading engineers, the company continues to push the limits of traditional amp design—delivering cutting-edge heads, cabinets, and combos for players everywhere.

Orange's commitment to quality control, construction and craftsmanship is long established, and each amplifier passes through a rigorous test procedure before shipping, resulting in complete confidence that you will be delighted with your new purchase, and that it will provide you many years of enjoyment and reliability.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarised or grounding-type plug. A polarised plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Battery Warnings

Failure to heed the following warnings could result in death, serious injury, or property damage.

A lithium-ion battery is used for this device.

If these guidelines are not followed, batteries may experience a shortened life span or may present a risk of damage to the device, fire, chemical burn, electrolyte leak, and/or injury.

1. KEEP BATTERIES AWAY FROM CHILDREN.
2. Do not directly or indirectly short any wiring, terminals, or contacts of the battery.
3. Do not disassemble, modify, remanufacture, puncture or damage the battery.
4. Do not expose the battery to fire, explosion, or other hazards.
5. Do not use a sharp object to remove or tamper with the battery or parts of the battery.
6. Do not immerse or expose the battery to water or other liquids. Do not allow the battery to get wet.
7. Do not store the battery in your vehicle or in high temperature areas. Do not leave the battery exposed to a heat source or in a high-temperature location, such as in the sun in an unattended vessel. To prevent the possibility of damage, remove the battery from the vessel or store it out of direct sunlight.
8. Do not attempt to charge the battery outside of the following range: from 10° to 45°C (from 50° to 113°F).
9. Do not operate (discharge) the battery outside of the following temperature range: from -20° to 60°C (from -4° to 140°F).
10. When storing the battery for an extended time period, store within the following temperature range: from 10° to 20°C (from 50° to 68°F).
11. Only replace the battery with the correct replacement battery. Using other batteries presents a risk of fire or explosion.
12. Do not leave the battery unattended while charging.
13. Recharge the battery promptly after it is discharged, ideally within 24 hours. Charge battery every six months during long term storage to maintain peak performance.

WARNING! TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE

Where indicated or stated on the product/unit, this device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for digital devices of its class, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or a qualified technician for help.

Note: Changes or modifications not expressly approved by Orange Music Electronic Company, Ltd. could void the user's authority to operate the equipment.



WARNING: This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer, and 1,3-Butadiene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

For customers in Canada: Where indicated or stated on the product/unit, this digital apparatus complies with Canadian Interference Regulations CAN ICES-3(B)/NMB-3(B).

For customers in Japan: Complies with Article 2 Paragraph 1 item (19)



® 210-163280

All products are certified and tested to relevant safety standards. For further information, please contact us at support@orangeamps.com

	The exclamation point within an equilateral triangle and "WARNING" are intended to alert the user to the presence of important operating or servicing instructions. Failure to heed the instructions can result in severe injury or death. This equipment should be used under the supervision of an adult at all times.
	The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of un-insulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
	This symbol indicates this product is classified as Waste Electrical and Electronic Equipment (WEEE) in the European Union and should not be discarded with household waste. Contact your local authority for more information and details of your nearest approved disposal facility.
	The "Caution, hot surface" symbol indicates that the marked item may be hot. Ensure the apparatus is installed with plenty of space around the unit (> 6"/12.5cm) as this apparatus may generate heat under normal use. This equipment is not intended to be used on soft support (like beddings, blankets etc.). This equipment should always be placed on a flat, stable surface.
	To reduce the risk of fire and electric shock do not expose this apparatus to rain or moisture. Do not use in damp environments, e.g. bathrooms etc.
	Do not place objects containing liquids on, or near the product. Do not operate this apparatus or connect/disconnect a power plug whilst hands are wet.
	Do not attempt to gain access to the interior of the product. No user serviceable parts inside. Refer all servicing to qualified servicing personnel.

BEFORE USING YOUR AMPLIFIER

Before using your amplifier: Always ensure the amp's volume control(s) are set to zero before switching on the power to the amplifier. To prevent hum and electrical noise, operate your amplifier and instruments as far away from other electronic devices (especially fluorescent and neon lamps) as possible, as devices such as these generate extremely high levels of electronic noise.

Speaker output connections:

1. Make sure the correct speaker is connected at all times during operation.
2. Do not connect to a speaker load which is less than 8 Ohms in total.
3. Always connect to a cabinet of an appropriate power rating/handling.
4. Never use two cabinets of different/mismatched impedance.
5. Only connect speakers using a quality dedicated speaker cable. Never use an instrument cable.
6. Never connect headphones to the speaker outputs.
7. If you are unsure, please contact your Orange dealer.

Manufacturer:

Orange Music Electronic Co. Ltd, 108 Ripon Way, Borehamwood, Hertfordshire, WD6 2JA, UK
Website: orangeamps.com Email: support@orangeamps.com

EU Representative:

Authorised Rep Compliance Ltd, Ground Floor, 71 Lower Baggot Street, Dublin, D02 P593, Ireland

TOP PANEL

GUITAR CHANNEL 1



GUITAR CHANNEL REVERB: Adjusts the reverb level for the guitar channel. Higher settings add longer trails for a more spacious effect.



GUITAR CHANNEL BASS: Adjusts the low-end response.



GUITAR CHANNEL MID-FREQ: Selects the frequencies affected by the Middle control.



GUITAR CHANNEL Q FACTOR: After selecting your Middle frequency, Q Factor selects whether a narrow or wide range of frequencies are affected. Narrow settings work well for eliminating feedback; wide settings are better for tone-shaping. Q Factor control is at its narrowest setting at the anticlockwise-most extreme and at its widest setting at the clockwise-most extreme.



GUITAR CHANNEL MIDDLE: Adjusts the mid-range response.



GUITAR CHANNEL TREBLE: Adjusts the high-end response.



GUITAR CHANNEL VOLUME: Controls the volume. When set to minimum, no sound will be heard.



GUITAR CHANNEL INPUT: Use a quality shielded instrument cable to connect your instrument to the Input jack socket.

MICROPHONE CHANNEL 2



MIC CHANNEL REVERB: Adjusts the reverb level for the mic channel. Higher settings add longer trails for a more spacious effect.



MIC CHANNEL BASS: Adjusts the low-end response.



MIC CHANNEL MID-FREQ: Selects the frequencies affected by the Middle control.



MIC CHANNEL MIDDLE: Adjusts the mid-range response.



MIC CHANNEL TREBLE: Adjusts the high-end response.





MIC CHANNEL GAIN: Controls the gain level (volume). When set to minimum, no sound will be heard.












MIC CHANNEL HPF: High pass filter. Allows high frequencies through whilst blocking low frequencies.



MIC CHANNEL PHANTOM POWER SWITCH: Activates +48V phantom power when using a condenser microphone (check manufacturer specifications)

	<p>MIC CHANNEL INPUT: This socket can accommodate either a 6.35mm jack or XLR input</p>
<p>GLOBAL</p>	
	<p>MASTER: Adjusts the volume of both channels. With the control set to zero, no sound will be heard.</p>

<p>TOP PANEL CONTD.</p>	
	<p>HEADPHONE SOCKET: Connect headphones via a stereo 3.5mm jack for silent practice. The headphones output features cabinet simulation and can also be used to connect the amp to a mixer or recording console. Avoid using headphones for extended periods at loud levels.</p>
	<p>AUX-IN: For use with mp3 players, laptops etc. via a 3.5 mm audio cable. The audio signal is internally summed to mono. (use the included 3.5mm Cable)</p>
	<p>Pairing light and Bluetooth pairing button: To pair the ES60 with a source device for the first time, hold the Bluetooth pairing button on the unit for two seconds, at which point the pairing light will flash blue. Then, choose "pair new device" (or similar) on your source device and then select "ES60" from the list of available devices. Once a connection is made, the pairing light will glow blue. When a device is connected to the ES60 via Bluetooth and playing audio, press the Bluetooth pairing button once to pause the music, and again to resume playback. Holding the pairing button for six seconds will force an unpairing from the current device, allowing a new device to be paired.</p>
	<p>BATTERY: The LED will illuminate green when the power is on. It will show red when the batteries are low. The ES60 Contains 2 x 2600mAh Li-ion batteries</p>

<p>REAR PANEL</p>	
	<p>BALANCED OUTPUT: Sends a balanced, line-level signal (post-EQ) to a mixer or PA system.</p>
	<p>GROUND/LIFT SWITCH: Engage the ground lift button if ground hum becomes a problem when connecting the amplifier to external equipment.</p>
	<p>EFFECTS LOOP: Used to place external effects between the amplifier's preamplifier section and output section. Connect the SEND jack to the input of external effects. Connect the output of external effects to the RETURN jack.</p>
	<p>DC INPUT: Use only the supplied DC adaptor. The internal batteries can charge, even when the ES60 is turned off</p>
	<p>ON/OFF SWITCH: Switches the mains power supply to the amplifier on/off.</p>

PRODUCT SPECIFICATION TABLE

Features	Ed Sheeran Signature busking amplifier with guitar and mic channels, phantom power, effects loop, reverb, aux input, Bluetooth, XLR output and Li-Ion Batteries. Powered by DC adapter or internal batteries
Output Power	60 Watts RMS
Controls	Ch 1: Volume, Treble, Middle, Q, Mid-Freq, Bass, Reverb Ch 2: +48v Phantom Power Switch, HPF Switch, Gain, Treble, Middle, Mid-Freq, Bass, Reverb Master: Volume
Technology	Audio codecs: APTX, AAC, SBC Bluetooth version: Bluetooth 5.0 AVRCP, A2DP, HFP, HSP, HOGP, PBAP, SPP Battery: 2 x 2600mAh Li-ion Charge time: 6 hours Playback time: up to 12 hours
Weights & Dimensions (W x H x D)	7.34 kg / 16.18 lb 35.5 × 28 × 29.5 cm 13.98 × 11.02 × 11.61 in
Included Extras	Padded Gig Bag Aux Cable Power supply 19.5V

DC POWER SUPPLY SPECIFICATION TABLE

Mains Input Power	108 VA
Mains Input Voltage	100-240V
Output	19.5V