



# FAZLEY

## Galactic Tube Series (5 / 10 / R 15 / R 20) Combo Valve Amplifiers



## User Manual

*All information and illustrations shown in this user manual are subject to change without further notice.*

*User manual version: 1.0 Creation date + author initials: 05-08-2021 RV Revision date + author initials:*

# Introduction

Thank you for purchasing the Fazley Galactic Tube guitar amplifier. Before you unpack the amp and any included accessories, we recommend reading this manual in full so that you fully understand all of the functions that this amplifier has to offer. If your Galactic Tube amplifier does not function as it should, or if you have any problems while using it, immediately switch it off and unplug it before contacting your retailer for further help and information.

## Box contents:

1x Fazley Galactic Tube guitar valve amplifier

## Check the amplifier and any included accessories

If you notice that the amplifier or any included accessories are defective or have been damaged in transit, contact your retailer immediately.

## Important note regarding the Galactic Tube Series

The Fazley Galactic Tube Series includes various different models. This user manual covers all of the models in the series. As such, any differences between the models in terms of specifications, functions or features will be specifically stated when applicable.

*Please note: The products seen in the images included in this manual may differ slightly from the actual product.*



## Contact:

Fazley Musical Instrument Products and Accessories  
Verrijn Stuartweg 18  
4462 GE Goes  
The Netherlands

*Please do not send any products directly to the correspondence address above  
If you need to return your product for a repair or refund, please contact your retailer and make an RMA  
request (Return Merchandise Authorisation)*

*All information and illustrations shown in this user manual are subject to change without further notice.*

*User manual version: 1.0 Creation date + author initials: 05-08-2021 RV Revision date + author initials:*

# Safety Instructions



## WARNING!



**Keep this device away from moisture, water and rain to avoid the danger of electric shocks.**

Everyone involved with the installation, operation and maintenance of this device must:

- Be qualified
- Be skilled
- Have read the instructions in this user manual
- Be sure that neither the device nor the included accessories are damaged. Should the device or the included accessories be damaged, please contact your dealer for more information.
- Ensure that the device is in good working condition and safe to operate. Please follow the advice and instructions as they are described in this user manual.

Damage caused by misuse and/or modifications made to the device are not covered by the warranty. This device does not contain any parts that need to be repaired or replaced by the user. Should maintenance or repairs be necessary, they must be carried out by a qualified technician.

### **Important information regarding health and safety:**

- Do not remove any labels or stickers from this device.
- Do not leave any cables lying around.
- The device should not be opened up, and any hardware or software that may be present should not be modified.
- To achieve optimal performance, the inputs of this device must not be fed with a signal higher than necessary.
- The outputs of this device must not be overloaded.
- The device must only be used indoors; contact with any moisture, water and rain should always be avoided. Do not place any objects containing liquids on top of the device.
- Keep the device away from any flames or heat sources; do not place it near flammable fluids, gasses or objects.
- Disconnect the device from the power supply if it will not be used for a long period of time, if maintenance is necessary, or if the device needs to be cleaned.
- Do not pull or tug on any cables to remove a plug, as this may cause damage.
- Do not use any cables other than those described in this manual. Do not use defective cables. Please contact your dealer if the included or necessary cables do not function properly with this device.
- Only use this device when plugged into an earthed power socket.
- If the device is exposed to extreme temperature changes (e.g. is transported through a cold outdoor environment into a warm indoor environment), it should not be turned on until it has reached room temperature. This is necessary to prevent moisture from forming in the device, which could lead to electric shocks.

### **Guidelines and operation of this device:**

- This device is intended for indoor use by adults.
- This device is not suitable for use by children, and should always be operated by an adult.
- This device should only be used in a suitable environment where no damage to the device can occur. Do not use the device in moist or dusty environments such as:
  - indoor swimming pools where chlorine is used
  - beaches where there is sand and salt
  - outdoors
  - indoors in spaces where intense heat sources are present, or where it reaches temperature levels that would be considered uncomfortable for a person
- Avoid impacts and collisions during use and transport. Do not transport the device while it is in use. Avoid

*All information and illustrations shown in this user manual are subject to change without further notice.*

*User manual version: 1.0 Creation date + author initials: 05-08-2021 RV Revision date + author initials:*

using excessive force when installing and operating the device.

- The user should become familiar with the functions of this device before using it.
- The user must be able to cut the power supply to the device in case of emergency. As such, the power supply must be accessible and operable at all times via one of the following components:
  - the double-pole on/off switch on the front of the unit;
  - the IEC C14 power port on the back of the unit;
  - the CEE 7/7 hybrid power plug of the included power cable;
  - an external double-pole switch or switching unit that's able to completely cut the power supply to the amplifier.
- Ensure that the power supply is not covered by clothes, papers, curtains, or any other obstructing objects. Maintain a minimal distance of 5 cm between the power supply and other objects to ensure optimum air circulation. Without sufficient ventilation, the electronics may overheat and cause permanent damage to the device.
- Should the device not be used in the manner described in this user manual, damages or even injuries could occur. Fazley cannot be held responsible for any injuries or damages that occur as a result of improper use of this product.

### **Storage and transport:**

- This device is designed for mobile use. It can be transported without the original packaging as long as it's well-protected against shocks and collisions. For optimal protection and damage prevention, it's recommended to use a compatible flight bag or flight case filled with foam padding.
- This device is not designed for permanent (24/7) use. The expected lifespan of the device will not be affected by regularly turning the device off and on. Disconnect the device or turn off the power when it is not actively in use.
- If the device will not be used for a long period of time, it should be disconnected and stored in a dust-free environment.
- Do not expose the device to extreme temperatures.





### **Housing**

- Frequently inspect the housing of the device, and always just before use. Avoid using the device if any large dents or cracks are found, or if screws are missing. Do not use the device if the housing is not in good condition. Contact your retailer or a qualified technician if you are unsure about the state of the device.
- Check the device and any screws for corrosion. The screws should show no sign of corrosion. If the screws are corroded, contact your retailer or a qualified technician.
- Every power and signal socket or cable should be securely mounted. Do not use the device if any component is not fully secured.
- Avoid the build up of dust and dirt. Clean the device once a month by disconnecting it from the power supply and wiping it down with a dry or slightly moist cloth. If the device is used frequently, it will need to be cleaned more frequently.

# FAZLEY

---

**Symbol explanation:**

|   |  |
|---|--|
|  | <p><b>WEEE:</b> Ensure that this device is disposed of properly. This product falls under the WEEE (Waste Electrical and Electronic Equipment) directive. The requirements of this directive apply to all manufacturers and producers of electronic devices in the EU. Do not throw this product away with regular household waste. Please contact your local authority for more information about how to recycle and dispose of these products in your region. By recycling this product in the proper manner, we can work together to ensure that we can continue to enjoy these kinds of products and still protect the environment as much as possible from pollution.</p> |
|  | <p><b>CE:</b> The CE mark indicates that this product meets the norms and requirements to which it must legally conform in the European Economic Area.</p>   |
|  | <p><b>UKCA:</b> The UKCA mark indicates that this product meets the norms and requirements to which it must legally conform in the United Kingdom.</p>   |
|  | <p><b>Suitable for indoor use only:</b> This product is designed for indoor use only.</p>  |

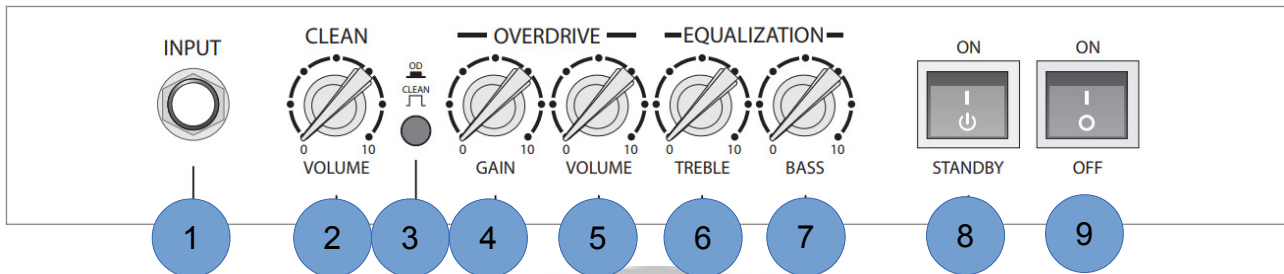


**FAZLEY**

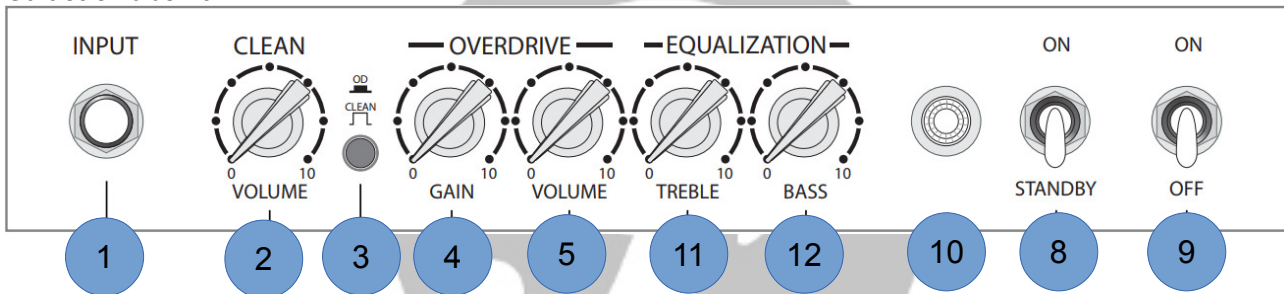
# Connection & Control Panel Overview

Please note: Since the Galactic Tube series is home to various models with different feature-sets, the connection and control panel of each model has been depicted separately below. More detailed information on the various control elements has been bundled in a single description (see section: 'Using the Guitar Valve Amp').

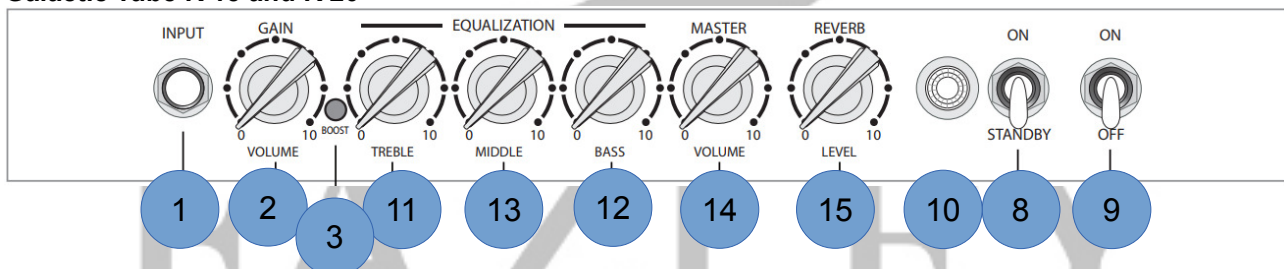
## Galactic Tube 5



## Galactic Tube 10



## Galactic Tube R 15 and R 20



1. Electric Guitar Input (6.35 mm TS jack)
2. Clean Channel Volume Control
3. Overdrive On / Off
4. Overdrive Gain Control
5. Overdrive Volume Control
6. Equalization Tone Control: Treble
7. Equalization Tone Control: Bass
8. Standby Switch (on / standby-switch)
9. Main Power Switch (two-pole on/off switch)
10. Valve Status Indicator
11. EQ Treble Control – High-Frequency Volume Control
12. EQ Bass Control – Low-Frequency Volume Control
13. EQ Middle Control – Mid-Frequency Volume Control
14. Master Volume Control
15. Reverb Intensity Control

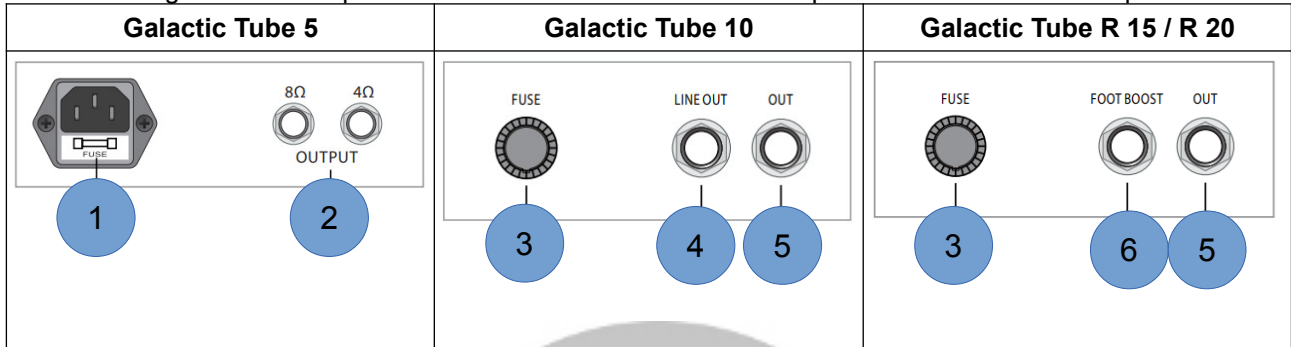
All information and illustrations shown in this user manual are subject to change without further notice.

User manual version: 1.0 Creation date + author initials: 05-08-2021 RV Revision date + author initials:

# Rear Panel

Depending on the model, the amplifier features a rear panel where external equipment can be connected.

An overview of each model has been included below, along with a brief explanation of the basic functions. See the 'Using the Valve Amplifier' section for a more detailed description of how to use the amplifier.



## 1. IEC C14 Power Cable Input with Integrated Fuse

## 2. External Speaker Cabinet Outputs (4 Ω / 8 Ω)

The 4 Ω / 8 Ω outputs can be used when you want to experiment with the sound of external speakers or to capture the characteristic warmth of power-amp valves on a digital recording.

Always connect a compatible speaker to the correct output, such as an external guitar speaker cabinet equipped with a specific loudspeaker that has an impedance of either 4 or 8 Ω . The impedance can often be found indicated on the cabinet or the speaker itself.

As soon as one of the two outputs is used, the built-in speaker of the valve amp will be automatically muted.

Always avoid using both outputs at the same time and make sure that the nominal impedance of any connected external speaker is compatible.

## 3. Fuse

## 4. Line Output

The Line Output can be used to send out a signal that has been processed by the preamp circuit. This line-level signal can then be re-routed as needed before it's amplified to speaker-level via the power-amp circuit.

This practical 6.35 mm mono jack output can, for instance, be used to record the 'dry' signal which can then be edited later using digital effects such as guitar cabinet simulations.

## 5. Speaker Output (8 Ω)

The 8 Ω output can be used when you want to experiment with the sound of external speakers or to capture the characteristic warmth of power-amp valves on a digital recording.

Always connect a compatible speaker to the correct output, such as an external guitar speaker cabinet equipped with a specific loudspeaker that has an impedance of 8 Ω. The impedance can often be found indicated on the cabinet or the speaker itself.

As soon the output is used, the built-in speaker of the valve amp will be automatically muted.

## 6. Foot Boost

The Foot Boost function allows you to toggle the Boost function of the amplifier using a basic external footswitch that can be plugged into the 6.35 mm TS Foot Boost jack port.

A footswitch does not come included with the amplifier; compatible models must support momentary latching.

*All information and illustrations shown in this user manual are subject to change without further notice.*

*User manual version: 1.0 Creation date + author initials: 05-08-2021 RV Revision date + author initials:*

# Using the Valve Amplifier

To get the best out of your new Fazley Galactic Tube amplifier and fully enjoy all of the features that it has to offer, it is recommended to follow the steps included below.

It is also important that the instrument you plug into your amplifier is compatible. The Galactic Tube Series amplifiers are designed to amplify electric guitars only. The functionality and the components have been carefully selected for this purpose alone. Connecting any other kind of instrument is not recommended and will not lead to the desired result in terms of sound.

## **PLEASE NOTE – IMPORTANT INFORMATION REGARDING VALVE AMPLIFIERS**

Valve amplifiers are delicate devices equipped with valves (vacuum tubes), which look like a type of light bulb and add a kind of warmth to the sound produced by the amplifier.

Just like traditional incandescent bulbs, amplifier valves are extremely fragile. As such, it's recommended to handle and transport this amplifier with care at all times!

### **Special Warranty Conditions for Valve Amplifiers**

The lifespan of valve amplifiers and the valves they're equipped with is partly determined by the extent to which the units are handled and used with care.

As such, Fazley does not offer any form of warranty regarding the lifespan of the valves used for this series of valve amplifiers. The only guarantee that can be offered is that the valves will function correctly upon arrival.

The other standard parts and electronics built into this amplifier are covered by the standard warranty period offered by your retailer.

### **Valve Lifespan**

The general lifespan of guitar amplifier valves is similar to that of a halogen bulb and depends on the frequency of use as well as the method of use, environmental conditions and other factors.

While some valves last up to two to four years, this can only be an indication.

### **Valve Replacement Intervals**

The interval at which valves need to be replaced with new ones depends on the way they're used, including the intensity. Casual guitarists who play every now and then probably won't need a fresh set of valves every year, while guitarists that play gigs on a weekly basis might need to place the valves once a year, if not more often.

In most cases, valves will start to produce a hum or other noise when they need replacing. At this point, it's recommended to take the amplifier to a specialist who will be able to check the valves.

Defective or worn out valves may also produce less volume, a muddy sound or no sound at all.

### **Never Touch the Valves!**

Like with most halogen bulbs, it's important that the valves are never touched with bare or even washed hands. The oily residue left by fingers can damage the glass and may cause the valve to break earlier than expected.

As such, it's important to always wear gloves before touching the valves for maintenance or replacement.

Before you replace a valve, make sure the amplifier is switched off, disconnected from mains power and has been switched off long enough for the valves to cool down.



### **Preparing for First Time Use**

A brand-new valve amplifier usually requires 10 to 14 days (or 8 to 24 hours of running time) to break in.

The valves will start to sound better following the break-in period, allowing the speaker to move better during use. Feel free to play rhythm parts and open chords at a sociable volume level at first, and only carefully turn up the volume after the break-in period has ended. Running the valves at maximum output (volume) should be avoided since this will extend the lifespan of the valves as well as the built-in speaker.

### **Switching on the Valve Amplifier**

To ensure a long amplifier valve lifespan, it's important to know there is a specific way of activating the amplifier valves to help increase their lifespan

In normal situations, the Power and Standby switches need to be checked. The Standby switch needs to be turned on before the Power switch is turned on.

As soon as the amplifier is switched on, the valves are fed a limited amount of power to warm up. Wait at least a minute to allow the valves to fully warm up.

Warming up the valves maintains the lifespan of the original valves. Once the valves are warmed up, the Standby switch can be toggled to the off position allow the full electrical current to flow through the valve-circuit, preparing the amplifier for use.

If the warm-up process is not carried out correctly, cold valves may be exposed to high electrical currents which can significantly shorten their lifespan and possibly damage.

### **During Use**

Like other electronic devices, valve amplifiers require ample ventilation and cooling, and need to be kept away from moisture, liquids and damp places.

Extra caution is needed when the amplifier is transported in conditions that include extreme temperature changes (e.g. from a warm crowded venue to a cold vehicle).

Always ensure that the guitar amplifier is connected to a reliable power source, meaning a stable and compatible power supply. Repeatedly interrupting the power supply or shutting down the power immediately after it's been turned on can have a negative effect on the lifespan of the valves. It may even cause irreparable damage.

### **In Storage**

When it comes to storing the amplifier, it's important to use a room that isn't subject to sudden or extreme temperature fluctuations since these can negatively effect the lifespan of the valves. It's advised to store the amplifier in a room like a bedroom, hobby-room or an insulated garage or attic where weather elements have little to no effect.

### **Switching Off and Transporting Valve Amplifiers**

Before the power supply is cut off completely via the on/off switch, the valve amplifier needs to be set to standby.

This ensures that while the device itself remains active, the full current running through the valves is stopped and allowed to diminish so that the valves can slowly cool down.

Always wait roughly a minute before flipping the on/off switch after you've set the amplifier to standby mode. Then disconnect the power cable from mains power.

Amplifier valves are always warm and extra fragile right after the amplifier has been turned off. As such, it's important to allow for a minimum cooling period of at least 5-minutes before moving or transporting the amplifier.

Once the amplifier has been turned off, it's safe to unplug your guitar cable.

The Galactic Tube amplifiers are ideally transported and carried with caution and using the integrated handle. It's strongly recommended to avoid transporting the amplifier using equipment like a wheel board on uneven surfaces such as cobbled roads, so that the valves are not subjected to any shocks, bumps, or heavy vibrations that may shorten the lifespan of the valves.

## Plugging in an Electric Guitar

To plug an electric guitar into this amplifier, a standard instrument or guitar cable is required. This is a normal 6.35 mm TS (mono) jack cable and can be fitted with either straight or right-angled jack plugs. Be aware that this kind of cable will always create a short-circuit that produces a popping or crackling noise when plugged into an amplifier that's switched on, which can cause damage to the built-in speaker. This is why it's important to follow the steps below when plugging an electric guitar into the amplifier.

- Plug the power cable into the amplifier.
- Plug the other end of the power cable into a power socket. Do not switch on the amplifier yet.
- Make sure that the amplifier power switch is still set to the off position.
- Plug one end of your jack cable into the guitar.
- Plug the other end of your jack cable into the amplifier.
- Now, switch on your amplifier according to the instructions detailed above.

When you want to unplug the guitar from the amplifier, follow the steps below:

- Switch off the amplifier according to the instructions detailed above.
- Unplug the jack cable from the amplifier.
- Unplug the jack cable from the guitar.
- Remove the power cable from the power socket

## Controls

Make sure that all of the controls are set to a normal, neutral level when you switch on the amplifier for the first time, or when it has not been used for some time. Set the Gain and Volume controls all the way down and set the Bass and Treble controls at a medium level (the '12 o'clock' position). These settings can, of course, be changed later.

All Galactic Tube amps have several controls on board that allow you to adjust the volume, tone and other parameters.

**Master Volume Control:** Used to set the main volume level.

**Equalisation Controls:** the EQ is a tone-control system which usually consists of various tone-adjusting knobs. The Galactic Tube amps offer various ways to tweak the sound, meaning the tone-setting can be changed based on different control configurations. All models offer the same three tone controls: Treble (high frequencies), Middle (middle frequencies) and Bass (low frequencies). The settings for these controls go from 0 to 10, where '0' means maximum minimisation of frequencies without eliminating them altogether, and '10' means maximised frequencies and a light boost to the relevant frequency range.

The EQ function is mainly intended for subtle tone corrections when the presence of a certain frequency range feels either too dominant or too weak. Before you boost any frequencies, it's recommended to reduce more dominant frequencies first as a way to balance out the overall sound.

Example: When you feel the trebles are too dominant, it's recommended to turn down the trebles.

Example: When you feel the trebles are too weak, it's recommended to carefully turn up the trebles. If a large adjustment to the trebles is needed to get the desired result, it's possibly a better idea to turn down both the treble and middle controls instead. By carefully turning down the middle and treble frequencies, you may not even need to boost the trebles at all.

Please note: larger tone corrections – especially in cases where settings are set to maximum – can have a serious impact on the overall sound of the amplifier and may cause distorted sound.

*All information and illustrations shown in this user manual are subject to change without further notice.*

*User manual version: 1.0 Creation date + author initials: 05-08-2021 RV Revision date + author initials:*

### Reverb (R 15 / R 20 Models Only)

The Galactic Tube R 15 and R 20 amplifiers feature a reverb function in the form of a mechanical reverb effect – also called a spring reverb.

Mechanical reverb effects are based on a traditional concept where speaker vibrations are used to control a spring fitted with a pickup to shape an effect that can be added to the sound of the amplifier. The intensity of the spring reverb effect can be adjusted using the corresponding control.

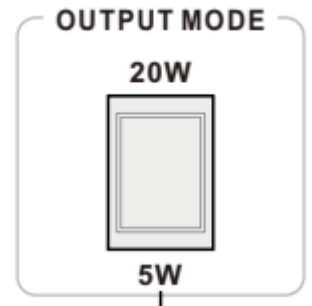
### Output Mode (Galactic Tube R 20 Only)

The Output Mode allows you to limit the output capacity of the 20 W Galactic Tube R 20 to 5 W.

The benefit of this is that the power amplifier circuit can be engaged to play warm overdriven sounds at a lower volume.

This works differently compared to a regular reduction in volume using the master volume control, which would otherwise simply turn down the overdrive.

In practice, the output mode switch turns the Galactic Tube R 20 into a great amplifier for recording that characteristic valve-sound without making excessive noise in the recording space.



### Boost via Footswitch (R 15 / R 20 Models Only)

The boost function can be activated using the corresponding switch on the control panel or using a basic 1-button external footswitch (not included). A footswitch can be useful while performing since it enables guitarists to toggle the function without having to reach for their amp.

**FAZLEY**

# Specifications

## Features:

- Electric guitar valve amplifiers
- Various models available (Tube 5, Tube 10, Tube R 15, Tube R 20)
- Sturdy wooden cabinet with traditional tweed-style finish
- High-quality hardware for optimal protection during transportation
- Protective corners and speaker cover
- Practical handle
- On/off switch (two-pole)
- Valve circuit stand-by/on toggle switch
- Various connection and setting options
- Vintage-style 'chicken head' knobs
- Basic or extensive EQ depending on the model

## Technical specifications:

| Model                           | Tube 5   | Tube 10  | Tube R 15  | Tube R 20   |
|---------------------------------|--|--|--|---|
| Power Capacity                  | 5 W (RMS)  | 10 W (RMS)   | 15 W (RMS)   | 20 W (RMS)  |
| Speaker                         | Celestion® Speaker<br>8"<br>8 Ω<br>Model: G8C-15   | Celestion® Speaker<br>8"<br>8 Ω<br>Model: G8C-15                                   | Celestion® Speaker<br>10"<br>8 Ω<br>Model: G10R-30                     | Celestion® Speaker<br>12"<br>8 Ω<br>Model: Seventy 80 |
| Valves                          | 1x ECC83 (12AX7)<br>1x EL84<br>JJ Valves   | 1x ECC83 (12AX7)<br>1x 6L6<br>JJ Valves  | 3x ECC83 (12AX7)<br>2x EL84<br>JJ Valves                               |   |
| Equalizer / Tone Controls       | 2-Band EQ<br>Treble and Bass Controls  |  | 3-Band EQ<br>Treble, Middle and Bass Controls<br>Master Volume Control |   |
| Frequency Range                 | 20 – 20,000 Hz   |  |  |   |
| Total Harmonic Distortion (THD) | 5 % THD @ 1 kHz  |  |  |   |
| Input Impedance                 | 1 MΩ   |  |  |   |
| Recorded Output (Max.)          | 40 W   | 50 W   | 70 W   | 85 W  |
| Reverb Function                 | No   | No   | Yes  | Yes   |
| Overdrive Channel               | Yes, Individually<br>Switchable<br>With Gain and<br>Volume Control   | Yes, Individually<br>Switchable<br>With Gain and<br>Volume Control                 | No   | No  |
| Boost Function                  | No   | No   | Yes, via Boost Control<br>(Extra Gain)                                 | Yes, via Boost Control<br>(Extra Gain)                |
| Output Mode Function            | No   |  |  | Yes<br>20 W / 5 W                                     |
| Ambient Temperature             | 0 – 40 °C  |  |  |   |
| Power Cable                     | LS03 0.75 mm <sup>2</sup><br>16 A/250 V AC 1.8 m<br>CEE 7/7 Hybrid Plug,<br>Detachable (via IEC<br>C13 Plug) | LS03 0.75 mm <sup>2</sup> 16 A/250 V AC 1.8 m<br>CEE 7/7 Hybrid Plug<br>Fixed Cord |  |   |

All information and illustrations shown in this user manual are subject to change without further notice.

User manual version: 1.0 Creation date + author initials: 05-08-2021 RV Revision date + author initials:

| Model        | Tube 5             | Tube 10            | Tube R 15          | Tube R 20          |
|--------------|--------------------|--------------------|--------------------|--------------------|
| Power Supply | 230 V AC, 50 Hz    |                    |                    |                    |
| Fuse         | T1A / 250V         | T2A / 250V         | T2A / 250V         | T3.15A / 250V      |
| Dimensions   | 363 x 294 x 205 mm | 400 x 325 x 215 mm | 464 x 427 x 250 mm | 492 x 446 x 253 mm |
| Weight       | 7.1 kg             | 8 kg               | 15 kg              | 16.5 kg            |



**FAZLEY**

*All information and illustrations shown in this user manual are subject to change without further notice.*

*User manual version: 1.0 Creation date + author initials: 05-08-2021 RV Revision date + author initials:*