

**OFFICIAL FRAMUS  
AMP OWNER MANUAL**

*Framus*®

**CS**

**RUBY RIOT**

**RUBY RIOT 2**

**ENGLISH**

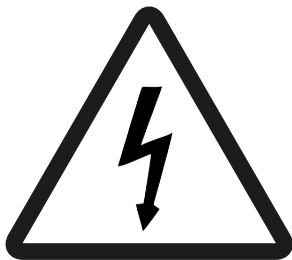
# SAFETY HINTS

- Read these instructions
- Keep these instructions
- Heed all warnings
- Follow these instructions



Caution: To reduce the risk of electrical shock, do not remove the cover. Or expose this appliance to rain or moisture. No user serviceable parts inside; refer servicing to qualified personnel.

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure - voltage that may be sufficient to constitute risk of shock.



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Read the manual.



Use only with cart, stand, tripod, bracket or table specified by the manufacture, or cart/apparatus combination to avoid injury from tip-over.

Congratulations on the purchase of the Framus Ruby Riot/Ruby Riot 2/CS combo. Please read this manual before connecting up the device and switching on. If you follow the advice given in this manual, you will soon be in a position to take full advantage of the quality of your new Framus amplifier. Please retain this manual as you may need to consult it again. Please send your PASSPORT to the address given in it.

## ADVICE FOR THE USER

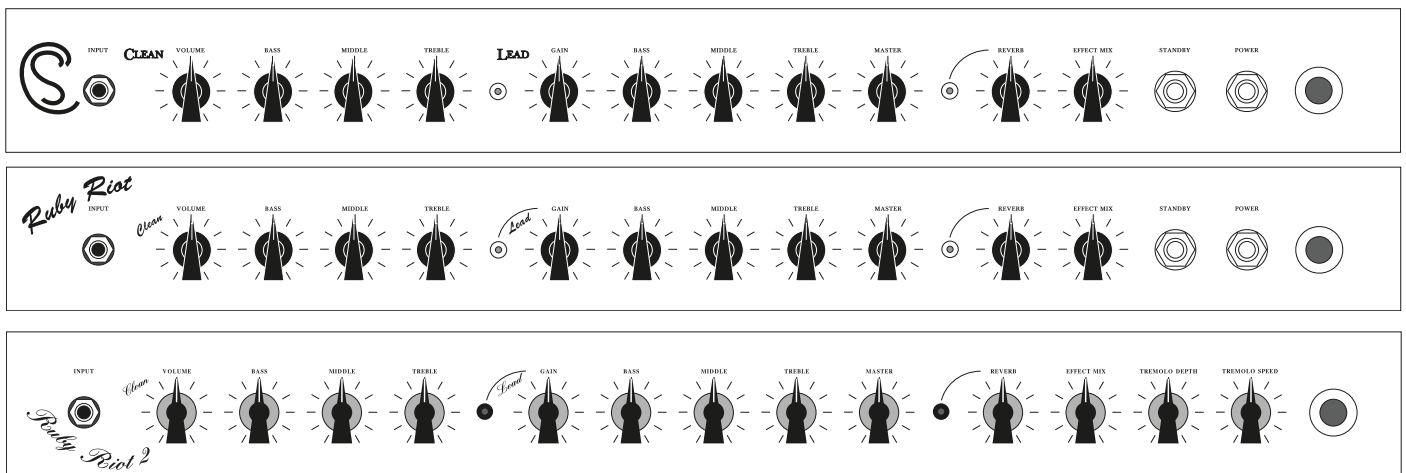
In order that your device should function reliably, please follow the following recommendations :

- This apparatus shall not be exposed dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- This apparatus should be connected to a MAINS socket outlet with a protective earthing connection.
- Mains plug or appliance connector shall be used as the disconnect device, so mains plug or appliance connector should always remain readily operable.
- Tubes can become very hot - risk of burn!
- Never open the amplifier case! You might receive an electric shock.
- Do not expose the device to dust, excessive humidity, direct sunlight or extremes of temperature.
- Make sure there is adequate ventilation at the back of the device.
- Do not subject the device to excessive vibration or violent jolts as these could damage the valves (tubes).
- After using the device, allow around 10 minutes for the valves to cool down before moving it.
- Always place the device on a stable, horizontal surface
- Never place the device on a soft surface such as a carpet or cushion.
- Avoid operating the device near radiators or devices that generate significant heat.
- The adjustment or cleaning of internal parts should only ever be undertaken by qualified service engineers.
- Take care not to allow liquid or small objects of any kind to penetrate the device.
- Never operate the device without a load attached (e.g. when there are no speakers connected).
- At power-up, the valves (tubes) need at least 30 seconds to warm up before achieving operation readiness and an additional few minutes before they can deliver full power.
- When changing the valves, replace them with only with valves selected by Framus, to avoid problems like noise, microphonism and imbalance. (special selection criteria).
- Only a high quality, undamaged mains lead (power cord) should be used to power the device. Before switching on, make sure the mains voltage corresponds with the voltage indicated by a checkmark alongside the mains socket of the amplifier.
- Always make sure the device is earthed (grounded)!

Make sure the device is examined by qualified maintenance engineers whenever :

- the mains lead (power cord) or mains plug (power cord input ) have been damaged
- liquid or any small object has been allowed to penetrate the case
- the device has been exposed to excessive humidity
- the device has been malfunctioning or abnormal operating conditions have been observed
- the device has been dropped or the case damaged.

# FRONT CONTROL PANEL



## INPUT

Input for the connection of a guitar

## Clean Channel:

### VOLUME

Rotary control to set input gain and volume level

### BASS

Rotary control to set the level of low frequencies in the preamp

### MIDDLE

Rotary control to set the level of mid frequencies in the preamp

### TREBLE

Rotary control to set the level of high frequencies in the preamp

## LEAD

Switch to change between Clean and Lead (Push for Lead, LED lights up red)

## Lead Channel:

### GAIN

Rotary control to set input gain

### BASS

Rotary control to set the level of low frequencies in the preamp

### MIDDLE

Rotary control to set the level of mid frequencies in the preamp

### TREBLE

Rotary control to set the level of high frequencies in the preamp

### MASTER

Control to set overall volume level

## THE FOLLOWING CONTROLS AFFECT BOTH CHANNELS:

### REVERB

Rotary Control to set amount of integrated Spring Reverb in the Output (with switch, LED lights up red, when Reverb is activated)

### STANDBY

Switches the power amplifier to Standby mode (Ruby Riot 2 on rear control panel)

### POWER

Switches the amplifier On and Off (Ruby Riot 2 on rear control panel)

Ruby Riot 2: **Vibrato Speed**

rotary control to set the speed of the vibrato

**Vibrato Depth**

rotary control to set the depth of the vibrato

# REAR CONTROL PANEL

## MAINS IN

### FOOTSWITCH

AC terminal with integrated fuse compartment for connection to the mains power supply. Stereo socket for the footswitch that is used to switch between the two channels and to turn Reverb On/Off. Ruby Riot 2: Footswitch socket for vibrato on/off. Don't use momentary (unlatch) switches, please use latching switches.

## EFF. SEND & EFF. RETURN

Sockets to implement the effects loop. Connect the input of the effects device to the SEND socket and its output to the RETURN socket. This is a parallel effects loop and the Wet/Dry balance can be controlled using the EFFECT MIX rotary control. When no effects are connected please turn it fully counter-clockwise.

## SPEAKER OUT

### IMPEDANCE

Socket for the connection of speaker cabinets.

Selector switch used to match the impedance to the connected speakers. (see also under 'Powering Up').

## POWERING UP

1. Make sure that one (or more) loudspeaker cabinet(s) are connected to the SPEAKER OUT socket, that it (they) has (have) an adequate power handling capability and is (are) suitable for guitar signals. Check that the impedance selector switch on the device corresponds with the total load impedance of the connected speaker(s).

|  |  |
|--|--|
| 4 $\Omega$ Internal speaker and 1 x 8 $\Omega$ cabinet | 1 x 4 $\Omega$ cabinet (internal speaker disconnected)   |
|  | 2 x 8 $\Omega$ cabinets (internal speaker disconnected)  |
| 8 $\Omega$ Internal speaker                            | 1 x 8 $\Omega$ cabinet (internal speaker disconnected)   |
|  | 2 x 16 $\Omega$ cabinets (internal speaker disconnected) |

2. Make sure that the device is plugged in to the mains and that any external (effects) devices are correctly connected and operation ready.
3. Turn the MASTER control all the way to the left.
4. Connect your guitar to the INPUT of the amplifier using a screened cable.
5. Turn the device on using the POWER switch.
6. When the valve (tube) warm-up phase is complete, turn the STANDBY switch on (upwards).
7. To obtain the desired sound for each channel, select the channel and adjust the controls.

To familiarize yourself with the basic sound of the amplifier, set all the rotary controls to 12 o'clock (straight-up).

## CONCLUDING ADVICE

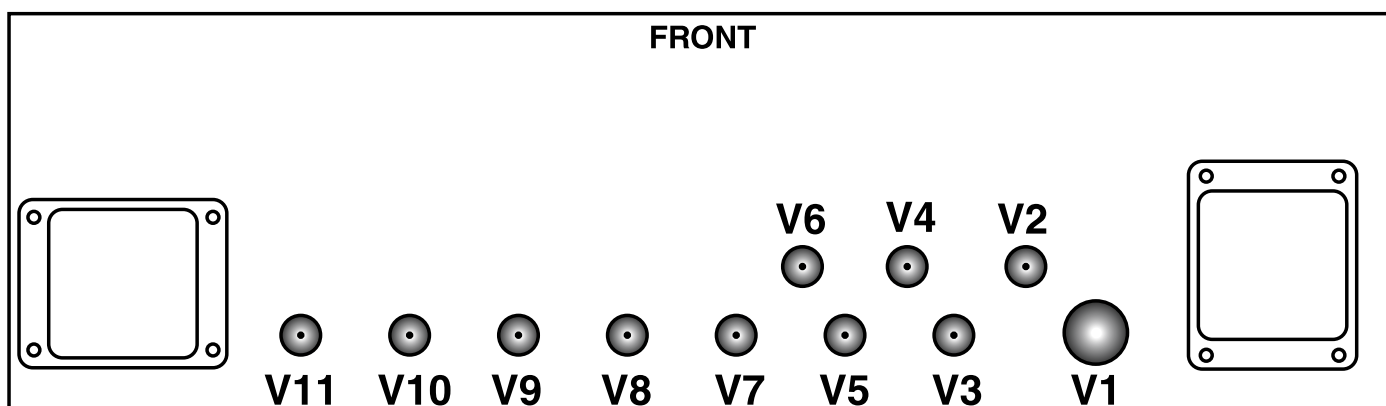
- This amplifier is capable of generating high volume levels that can cause hearing damage
- At high GAIN settings, feedback between the guitar and the speakers may occur and this can cause hearing damage as well as damage to connected loudspeakers.
- Unplug the power cord whenever changing a fuse!
- Only ever replace a fuse with another of the same type. Never bridge defective fuses.
- Valves can become very hot.
- Don't undertake repairs yourself.
- Only allow the case to be opened by qualified personnel.
- Qualified personnel should do any repairs and valve changes.
- Never use floor pedal effect devices through the effects loop, as such devices have the wrong connection values.

## TECHNICAL DATA

|                                | <b>CS</b>                           | <b>Ruby Riot</b>                    | <b>Ruby Riot 2</b>                  |
|--------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Nominal output power level     | 30 watts                            | 30 watts                            | 30 watts                            |
| Output impedance levels        | 4 $\Omega$ or 8 $\Omega$ switchable | 4 $\Omega$ or 8 $\Omega$ switchable | 4 $\Omega$ or 8 $\Omega$ switchable |
| <b>CLEAN CHANNEL</b>           |                                     |                                     |                                     |
| Input sensitivity              | -40 dB (8 mV)                       | -40 dB (8 mV)                       | -40 dB (8 mV)                       |
| Overdrive threshold            | -2 dB (600 mV)                      | -2 dB (600 mV)                      | -2 dB (600 mV)                      |
| <b>LEAD CHANNEL</b>            |                                     |                                     |                                     |
| Input sensitivity              | -62 dB (0,6 mV)                     | -62 dB (0,6 mV)                     | -56 dB (1,2 mV)                     |
| Overdrive threshold            | -2 dB (600 mV)                      | -2 dB (600 mV)                      | -2 dB (600 mV)                      |
| <b>EFFECT SEND</b>             | 0 dB                                | 0 dB                                | 0 dB                                |
| <b>EFF. RETURN</b>             | 0 dB                                | 0 dB                                | 0 dB                                |
| Fuse ratings                   | 1.25 AT (230V)                      | 1.25 AT (230V)                      | 1.25 AT (230V)                      |
|                                | 2,5 AT (115V)                       | 2,5 AT (115V)                       | 2,5 AT (115V)                       |
| Measurements (W x H x D in mm) | 760 x 320 x 280                     | 760 x 545 x 280                     | 760 x 545 x 280                     |
| Weight                         | Black Tolex: 20 kg; Bubinga: 25 kg  | 32 kg                               | 32 kg                               |

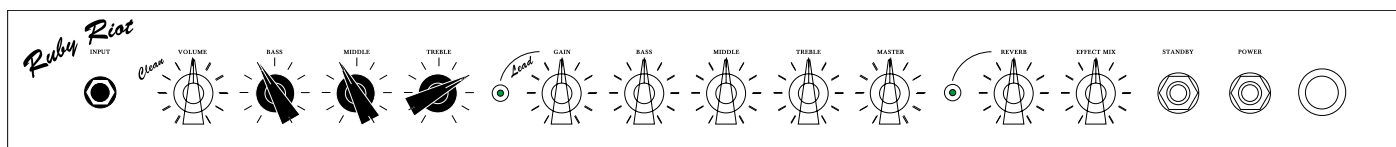
# VALVE MAP

|            |                        |                         |
|------------|------------------------|-------------------------|
| V 1        | GZ 34                  | Rectifier Tube          |
| V 2        | ECC 83 selected        | Distortion Lead Channel |
| V 3        | ECC 83 selected        | Input/ Clean EQ         |
| V 4        | ECC 83 selected        | Lead EQ                 |
| V 5        | ECC 83 standard        | Effects path (Buffer)   |
| V 6        | ECC 81 standard        | Reverb driver           |
| V 7        | ECC 83 standard        | Phase reverse stage     |
| V 8 - V 11 | EL 84 selected quartet | Power amplifier         |

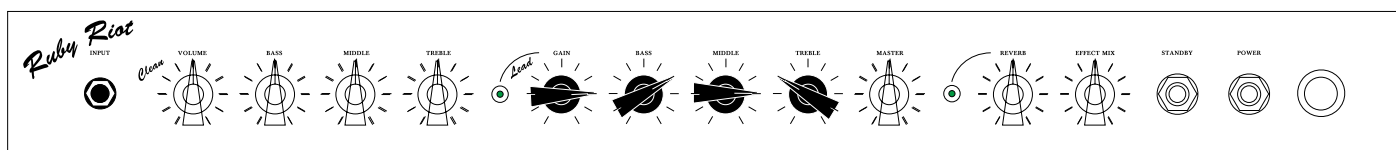


# SOUND SAMPLES

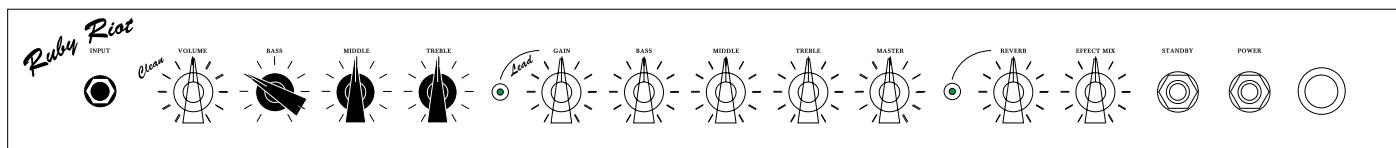
## SINGLE COIL CLEAN



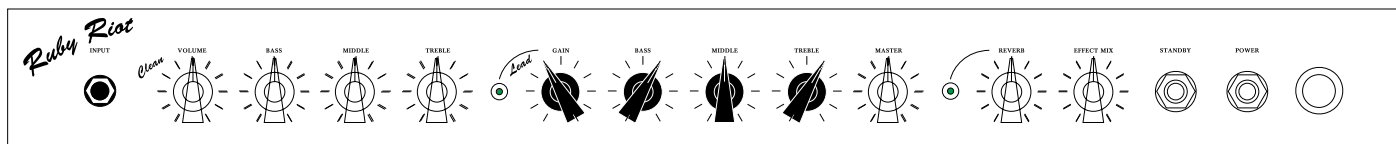
## SINGLE COIL LEAD



## HUMBUCKER (NECK) CLEAN



## HUMBUCKER (BRIDGE) LEAD





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