

User's Manual

BJF-S66 Compact Guitar Amplifier

Thank you for your purchase of the BJF-S66 guitar amplifier.

Over the past few decades, Bjorn Juhl has crafted and designed amplifiers for famous players and studio performers all over the world. However, the price points of his hand-made amplifiers have put them out of reach for the majority of guitarists. The BJF-S66 makes Bjorn's designs and vision attainable for players on any budget.

For the BJF-S66, Juhl identified the legendary American black-face amps built in the mid-1960's as the basis for his tonal palette. These amps have long been celebrated as great "plug & play" amplifiers, as well as fantastic pedal platforms for guitarists who enjoy having a lot of tonal variety at their feet.

BJF-S66 uses an extremely efficient Class D power amp design, and the preamp is a discrete, solid-state all analog signal path for pure tone.

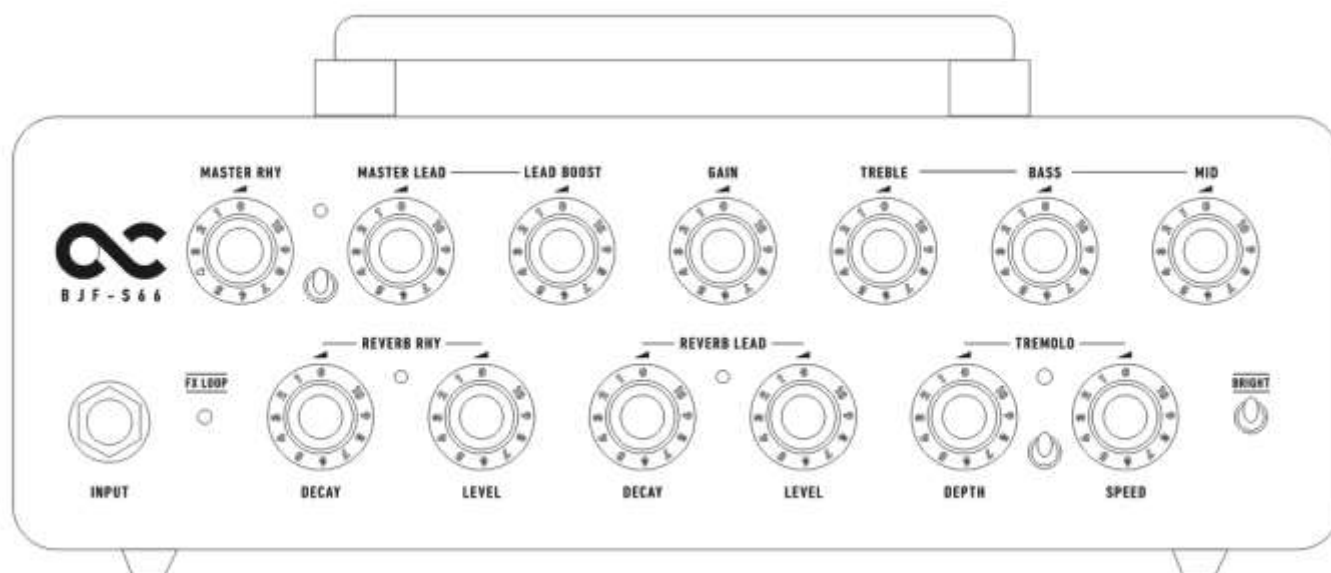
The ultra compact BJF-S66 features 2 channels - rhythm and lead, with adjustable lead boost - plus 3-band EQ controls, a bright switch, channel-specific reverb level and decay controls, and tremolo controls.

On the rear panel, you'll find an Effects Loop Send/Return, Preamp Out, Speaker Out and footswitch inputs. Channel select, FX loop (on/off), and tremolo (on/off) are all optionally controllable via footswitch, either separately or using the custom FS-P3 3-way footswitch (sold separately).

The BJF-S66 can drive speakers from 4 ohms to 16 ohms. Power output: 100W @ 4 Ohms / 66W @ 8 ohm / 30W @ 16ohm.

With modern design and build techniques, the BJF-S66 captures the essence of that famed mid-60's sound, while being small and light enough to fit into a gig bag and robust enough to handle the rigors of the road.

Front Panel



INPUT JACK: Connect guitar here.

Master RHY: Master volume control for rhythm channel.

Master LEAD: Master volume control for lead channel.

CHANNEL SELECT SWITCH: Toggle switch in between MASTER RHY and MASTER LEAD knob, when no footswitch is connected, upper position goes to LEAD channel (red indicator on) while lower goes to RHYTHM channel (green indicator on).

LEAD BOOST: This knob gives an extra gain for lead channel only.

GAIN: Gain knob for both rhythm and lead channels.

Treble: High frequency EQ knob for both channels, 2KHz + -20dB.

BASS: Low frequency EQ knob for both channels, 70Hz + -20dB.

MID: Mid frequency EQ knob for both channels, 450Hz +-10dB.

DECAY (REVERB RHY, green indicators on): Adjust how quickly the trail dissipates. The knob only effects on rhythm channel.

LEVEL (REVERB RHY, green indicators on): Adjust the reverb level of rhythm channel.

DECAY (REVERB LEAD, red indicators on): Adjust how quickly the trail dissipates. The knob only effects on lead channel.

LEVEL (REVERB LEAD, red indicators on): Adjust the reverb level of lead channel.

DEPTH (TREMOLO): Adjust the intensity controls the amplitude of the variation.

SPEED (TREMOLO): Adjust the tremolo speed by changing the LFO (low frequency oscillator) frequency.

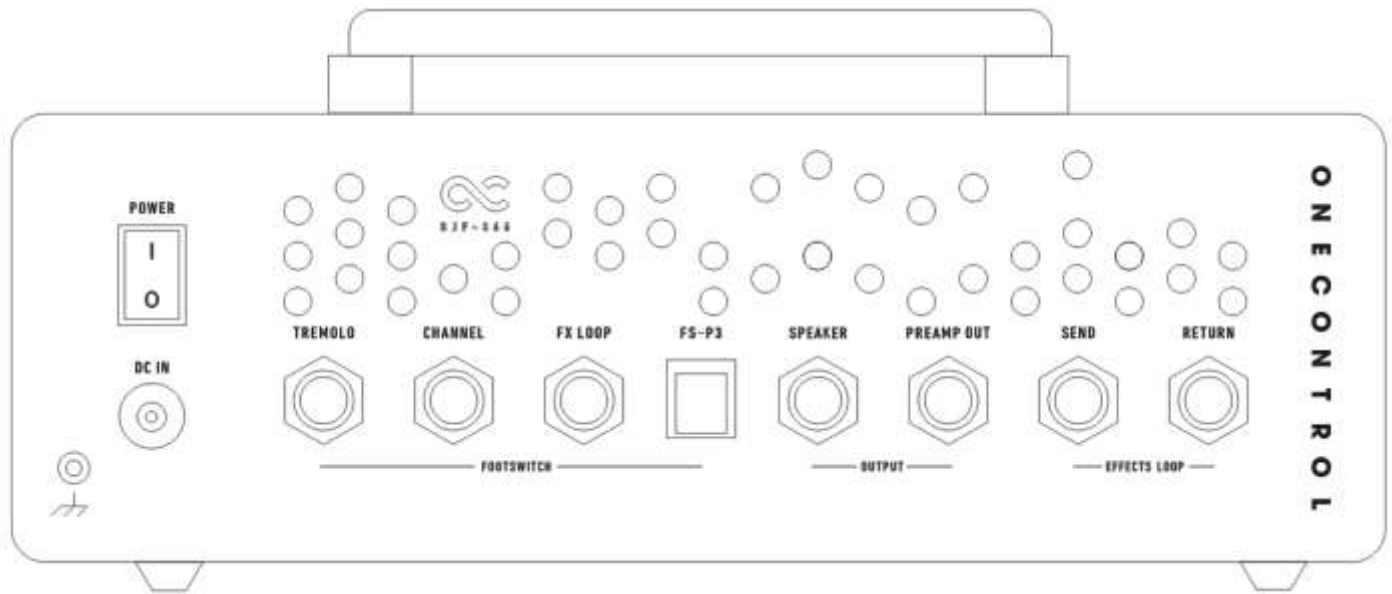
TREMOLO ON/OFF SWITCH: Toggle switch in between DEPTH and SPEED knob, when no footswitch is connected, upper position turns on tremolo effect and tremolo indicator lights on.

BRIGHT SWITCH: Upper position turns up +10 dB at 4 KHz.

FX LOOP INDICATOR: It lights up when FX LOOP is engaged.

FOLDABLE HANDLE: The handle is foldable to save space when it is not in use.

Rear Panel



DC IN: 24V DC INPUT, 5.5x2.5mm Barrel DC jack, positive center. Note: Overvoltage above 24V might permanently damage the amplifier.

POWER ON/OFF SWITCH: The switch turns on/off the amplifier.

FOOTSWITCH: S66 provide different footswitch jacks for controlling Tremolo on/off, Channel switching, and FX loop engaging/bypassing.

- TREMOLO Footswitch jack: 1/4" Mono latch type, tremolo turns on when tip and sleeve are shorted.
- CHANNEL Footswitch jack: 1/4" Mono latch type, S66 switches to lead/rhythm channel when the tip and sleeve are short/open.
- FX LOOP Footswitch jack: 1/4" Mono latch type, S66 engages/bypasses effects loop when the tip and sleeve are short/open.
- FS-P3 jack: This jack connects to a specially designed 3-in-1 (tremolo, channel, and effects loop) footswitch "FS-P3" with a standard RJ-11 6P cord. Note: FS-P3 is not included in the basic B.J.F.-S66 product.

The control priority of 1/4" footswitch jack is higher than FS-P3, of which the priority is higher than toggle switch on the front panel. For example, when FS-P3 is connected, the tremolo toggle switch and channel switch on the front panel don't control, while if 1/4" tremolo jack is inserted with a cable, the tremolo footswitch on FS-P3 doesn't control.

OUTPUT: S66 have two output jacks.

- SPEAKER jack: Connects to cabinet, it outputs 30W/16Ω , or 66W/8Ω , or 100W/4Ω.
- PREAMP jack: Outputs the preamp signal to a power amplifier or IR amp & cab.

EFFECTS LOOP: The effects loop is in front of internal reverb module.

- SEND jack: Connects to input of guitar pedal or other instruments.
- RETURN jack: Connects to output of guitar pedal or other instruments.

Specs:

Input impedance: 1 M Ω

Output: 30W / 16 Ω | 66W / 8 Ω | 100W / 4 Ω

Size: 26.5 (W) \times 9.5 (D) \times 10.3 (H) cm (not including knobs)

Weight: 1.62 kg

AC Adapter (included): 65W, 100~240V AC input, DC24V output, 5.5x2.5mm positive center.