
AF150

ACOUSTIC GUITAR AMPLIFIER

OWNER'S MANUAL

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AF 150

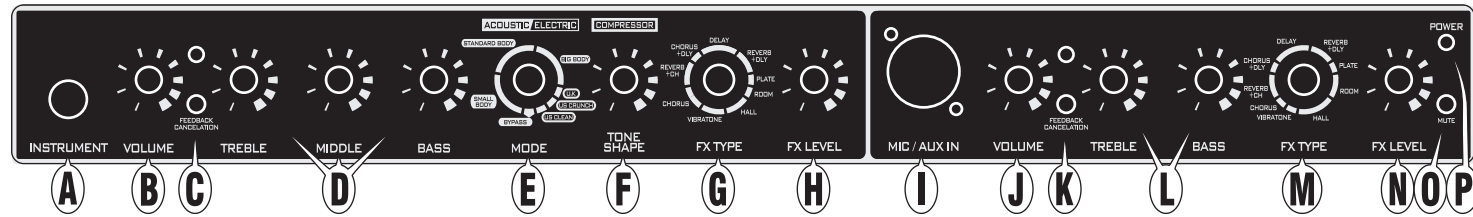
Features include:

- Strong, lightweight 5-ply hardwood construction
- New ultra-efficient stereo power amp produces 150 Watts
- 8" cloth-surround low-frequency driver(s) and a high-frequency Tweeter
- Separate Instrument and Microphone channels with independent EQ and effects controls
- Mode control lets any guitar simulate the tonality of Bypass, Small Body, Standard Body, Big Body acoustics
- U.K, US Crunch, US Clean amp models are perfect for the acoustic player who doubles on electric guitar
- Mode can be turned off for BYPASS output
- Specially optimized effects include Reverb, Delay, Chorus, Vibratone, and more

- New Feedback Cancellation with on/off switch on each channel
- Tone Shape control tames harsh treble notes
- Professional XLR line out with level control and ground lift
- Stereo effects loop
- USB connector for digital recording output (and possible future firmware updates)



Front Panel



- A. INPUT**— Plug your instrument in here.
- B. VOLUME**—Adjusts the volume level of the Instrument channel.
- C. SFC (Smart Feedback Cancellation)**— A feedback suppression algorithm that can be used to target and suppress feedback frequencies automatically. SFC can be used in two modes, basic and advanced.

Standard Body 1-4	Four Standard Body settings, with various tonal variations, make any acoustic guitar sound more like a Standard Body guitar.
Big Body 1-4	Four Big Body settings, with various tonal variations, make any acoustic guitar sound more like a Big Body guitar.
U.K	U.K amp model for an electric guitar.
US Crunch	US Crunch amp model for an electric guitar.
US Clean	US Clean amp model for an electric guitar.

Smart Feedback Cancellation (Basic Mode):

1. Press the SFC button and a "notch filter" will be activated which will reduce feedback in the most common frequency ranges. The LED will illuminate red while the SFC circuit is active.
2. Press the SFC button again to disable basic mode.

Advanced SFC mode is more sophisticated and can be trained to target and eliminate specific troublesome feedback frequencies.

To train Smart Feedback Cancellation (Advanced Mode):

1. Start with the SFC circuit off.
2. Press and HOLD the SFC button for one second until the SFC LED turns green to initiate the SFC training period.
3. The SFC training period lasts for 4 seconds. Allow your guitar or microphone to feed back during this period. Typically, you do not need to play your guitar (or sing) during the training period, but if you can induce the frequency that is giving you particular trouble, your results may be improved! Wear hearing protection.
4. When the LED turns red, SFC training is complete. At this point you can repeat steps 1-3 to retrain the feedback frequencies for SFC advanced mode, if desired.
5. You can now turn the SFC advanced mode on-off by pressing the SFC button. The amplifier will remember your trained frequencies until you turn the amp off.

- D. TREBLE / MIDDLE / BASS**—Adjusts the tonal character of the Instrument channel.
- E. MODE**—Selects the "Mode" of the Instrument channel.

Bypass	Simple Acoustasonic amp without any Mode modification.
Small Body 1-4	Four Small Body settings, with various tonal variations, make any acoustic guitar sound more like a Small Body guitar.

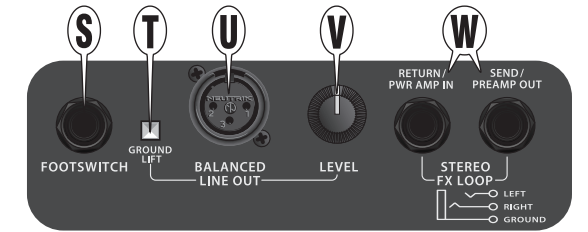
- F. TONE SHAPE / COMPRESSOR**— When an acoustic amplifier MODE {E} is selected (Bypass, Small Body, Standard Body or Big Body), this knob becomes TONE SHAPE, a patented tone shaping filter for the Instrument channel. Rotating clockwise reduces the high-frequency harshness often heard at peak playing intensities and high volume levels, while maintaining crispness at lower playing levels.

When an electric amplifier MODE {E} is selected (U.K, US Crunch or US Clean), this knob becomes a COMPRESSOR. Rotate clockwise to increase compression to limit high volume spikes and boost low volume sustain.

- G. FX TYPE**—Selects one of 16 effects for the Instrument channel (see "Effects" section on next page).
- H. FX LEVEL**—Adjusts the level of effects for the Instrument channel.
- I. INPUT**— Plug your microphone, or instrument in here. Phantom power (+15VDC) is supplied to the XLR (microphone) jack.
- J. VOLUME**—Adjusts the volume level of the Mic/Inst channel.
- K. SMART FEEDBACK CANCELATION**—Can be used to target and suppress feedback automatically for the Mic/Inst channel. (see step-by-step instructions under SMART FEEDBACK CANCELATION {C}).
- L. TREBLE / BASS**—Adjusts the tonal character of the Mic/Inst channel.
- M. FX TYPE**—Selects one of 16 effects for the Mic/Inst channel (see "Effects" section on next page).
- N. FX LEVEL**—Adjusts the level of effects for the Mic/Inst channel.
- O. MUTE**—Press in to disable all audio output from the amplifier.
- P. POWER INDICATOR**—Illuminates when the unit is on.

Rear Panel

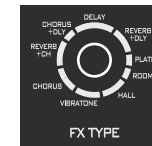
- Q. POWER**—Switches the unit on-off.
- R. IEC POWER INPUT SOCKET**—Connect to a grounded outlet using the supplied power cord in accordance with the voltage and frequency specifications shown on the rear panel of your amplifier.
- S. FOOTSWITCH**—Connect the optional 2-button footswitch (P/N 064673) to enable remote on/off switching of the effects for each channel.
- T. GROUND LIFT**—Press in to disconnect the ground connection (pin 1) of the Balanced Line Out jack which may reduce line noise in some situations. Normally leave this button in the out position (grounded).
- U. BALANCED LINE OUT**—XLR output jack for connection to external sound equipment.
- V. LEVEL**—Adjusts the output level of the BALANCED LINE OUT JACK {U} jack. Use to accommodate the input sensitivity of your external sound equipment.



- W. STEREO FX LOOP**—Effects loop jacks for stereo effects devices. Connect SEND to your effects device input and RETURN to the effects output using "Y-cords."
 - Ring = Right
 - Tip = Left
- X. USB PORT**—Connect the USB port on the amplifier to the USB port on your computer to stream audio to a wide variety of software applications. The USB port can also be used to update the firmware on your amplifier.

Effects

Instrument Channel



Select from 16 variations of 9 types of effects using the FX SELECT knob. Effects are described going clockwise around the knob:

Vibratone 1	slow
Vibratone 2	fast
Chorus 1	slow
Chorus 2	fast
Reverb + Chorus 1	large room / slow chorus
Reverb + Chorus 2	medium hall / fast chorus
Chorus + Delay	fast chorus / long delay (480 ms)
Delay 1	slapback delay (140 ms)
Delay 2	medium delay (315 ms)
Delay 3	long delay (480 ms)
Reverb + Delay 1	medium hall / medium delay (235 ms)
Reverb + Delay 2	medium hall / long delay (415 ms)
Plate Reverb	studio plate
Room Reverb	medium room
Hall Reverb 1	medium hall
Hall Reverb 2	large hall

Mic/Inst Channel



Select from 16 variations of 9 types of effects using the FX SELECT knob. Effects are described going clockwise around the knob:

Vibratone	fast
Chorus	slow
Reverb + Chorus 1	large room / slow chorus
Reverb + Chorus 2	medium hall / fast chorus
Chorus + Delay	fast chorus / long delay (480 ms)
Delay 1	slapback delay (140 ms)
Delay 2	medium delay (315 ms)
Delay 3	long delay (480 ms)
Reverb + Delay 1	medium hall / medium delay (235 ms)
Reverb + Delay 2	medium hall / long delay (415 ms)
Plate Reverb	studio plate
Room Reverb 1	dark medium room
Room Reverb 2	bright medium room
Hall Reverb 1	small hall
Hall Reverb 2	medium hall
Hall Reverb 3	large hall

Specifications

TYPE:	PR 899	
PART NUMBERS:	2313600000 (120V, 60Hz)	2313601900 (110V, 60Hz) TW DS
	2313600900 (120V, 60Hz) DS	2313604900 (230V, 50Hz) UK DS
	2313603900 (240V, 50Hz) AUS DS	2313606900 (230V, 50Hz) EUR DS
	2313605900 (220V, 50Hz) ARG DS	2313609900 (220V, 60Hz) ROK DS
	2313607900 (100V, 50/60Hz) JPN DS	
POWER REQUIREMENTS:	350W	
INPUT IMPEDANCE	INSTRUMENT: 10MΩ	MIC/INST: 3.6kΩ
POWER OUTPUT:	2 x 75W RMS into 2x 8Ω @ <0.2%THD	
SPEAKER:	Two 8Ω, 8" Fender® Special Design, One Piezo horn	
FOOTSWITCH (OPTIONAL):	P/N: 0064673000 (Effects on/off)	
DIMENSIONS	HEIGHT: 16 in (40.6 cm)	WIDTH: 22 3/8 in (56.8 cm)
	DEPTH: 10 1/8 in (25.7 cm)	
WEIGHT:	22.5 lb (10.21 kg)	

Product specifications are subject to change without notice.

