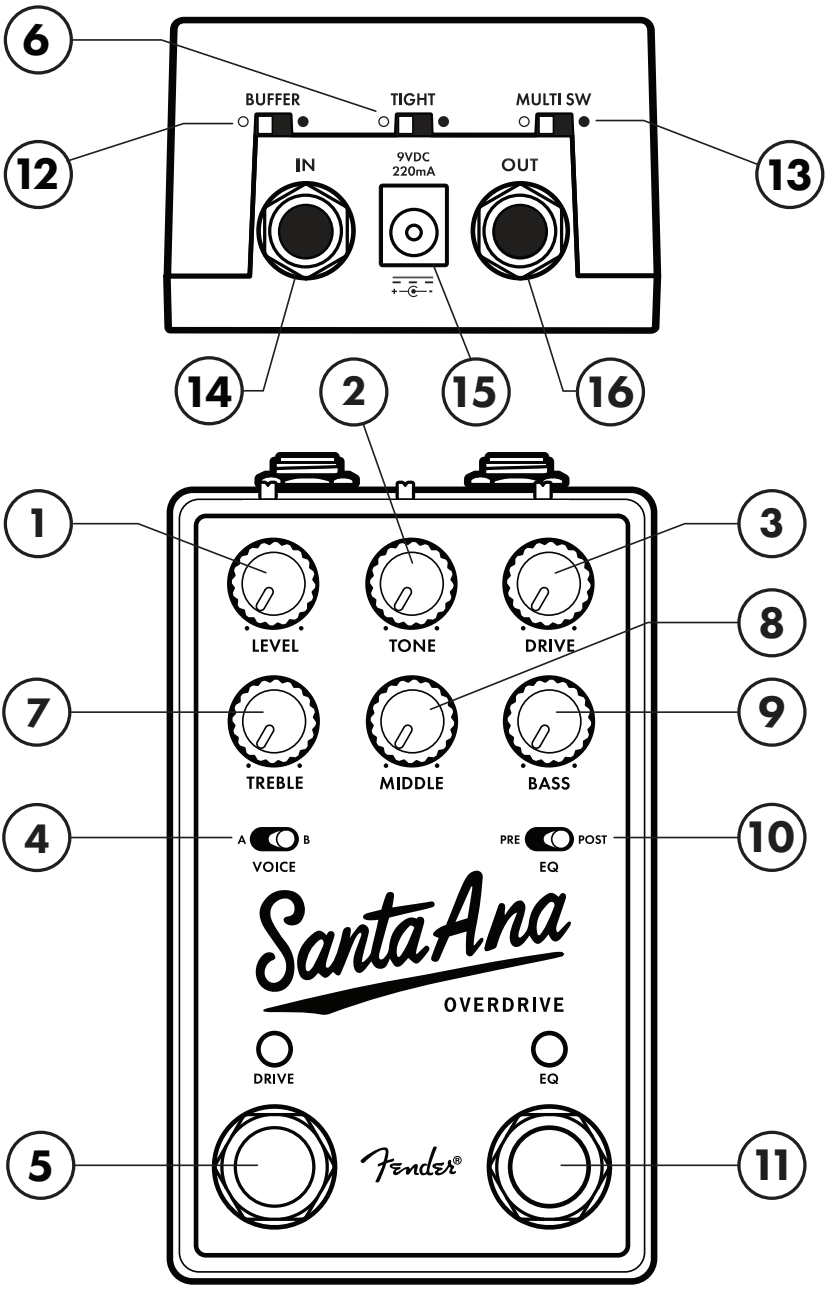
Santa Ana
OVERDRIVE
Fender
EFFECTS



OVERDRIVE CONTROLS

1. Level
2. Tone
3. Drive
4. Voice Switch
5. Drive Footswitch/LED
6. Tight Switch

EQ CONTROLS

7. Treble
8. Middle
9. Bass
10. EQ Placement Switch
11. EQ Footswitch/LED

GLOBAL CONTROLS

12. Buffered Bypass Switch
13. Multiswitch
14. Input Jack
15. Power Jack
16. Output Jack

SANTA ANA OVERDRIVE V2

The Santa Ana V2 is a JFET-based class-A overdrive pedal running at 18V internally — a design providing the touch sensitivity and high-headroom drive that players expect from a Fender tube amp pushed hard and then some. At its heart, the dual-voice drive circuit's three straightforward controls and Voice switch push your guitar from natural-sounding tight overdrive (Voice A) to smooth, thick lead tones (Voice B).

Sculpt your drive tones with pinpoint precision using the standalone, independently switchable three-band active EQ circuit built around the Santa Ana V2 drive engine. Determine exactly how the EQ circuit interacts by using the Path switch to place it before or after the drive: Pre-drive EQ flavors your drive tone by determining which frequencies are clipped most by the drive circuit; post-drive EQ lets your guitar hit the drive head on and shapes the resulting frequencies.

With its independent EQ circuit, flexible footswitches, buffered and true bypass modes, and a global Tight switch, the Santa Ana V2 is an ultra-flexible, intuitive overdrive with tons of tones on tap.

OVERDRIVE CONTROLS

LEVEL: Adjusts drive circuit output volume.

TONE: Adjusts drive circuit treble content; turn clockwise for more treble.

DRIVE: Adjusts overdrive circuit gain amount, controlling the amount and flavor of saturation.

VOICE SWITCH: Select between two drive voices. Voice A provides a tighter response overdrive with chime and clarity; Voice B provides a smoother response overdrive with higher gain.

TIGHT SWITCH: When ON (•), introduces a low-cut filter before the overdrive circuit gain stage to tighten up drive tone.

DRIVE FOOTSWITCH/LED: Footswitch turns overdrive effect on and off using bypass mode determined by the rear BUFFERED BYPASS SWITCH. LED illuminates when effect is on. When rear MULTISWITCH is on, footswitch acts as a latching switch when tapped and a momentary switch when held down. Holding down the switch turns effect on/off for as long as the switch is held down.

EQ CONTROLS

TREBLE, MIDDLE, BASS: Center detent marks flat EQ on each control. Turn clockwise to boost frequencies for each control; turn counterclockwise to cut frequencies on each control.

EQ PLACEMENT SWITCH: PRE places EQ before overdrive; great for shaping frequencies that hit the overdrive most. POST places EQ after overdrive, ideal for shaping overdrive tone after saturation.

EQ FOOTSWITCH/LED: Footswitch turns EQ effect on/off using bypass mode determined by rear BUFFERED BYPASS SWITCH. LED Illuminates when effect is on. When rear MULTISWITCH is on, footswitch acts as a latching switch when tapped and a momentary switch when held down. Holding down the switch turns effect on/off for as long as the switch is held down.

GLOBAL CONTROLS

BUFFERED BYPASS SWITCH: Selects bypass state pedal enters when turned off. ON (•) selects buffered bypass; OFF (◦) selects true bypass.

MULTISWITCH: When enabled (•), both footswitches have latching and momentary functionality. When disabled (◦), both footswitches have latching-only functionality.

INPUT JACK: High-impedance input for guitar and other instruments.

POWER JACK: Connect DC adapter here. Standard center-negative 9VDC jack for use with appropriate power supplies.

OUTPUT JACK: Low-impedance output connects to amp or to next pedal in signal path.

TONE SWEETENER

Turning the DRIVE control down and the LEVEL control up yields a nice always-on effect for edge of breakup tones.

Placing the EQ circuit before the drive by setting the EQ SWITCH to PRE and turning up the EQ knobs to an even level lets you use the EQ footswitch as a boost to kick the light breakup into drive territory.

SPARKLING DRIVE

Set the VOICE SWITCH to position B to provide a fuller drive tone with slightly darker tonality. For a thick lead tone with biting highs, set the EQ SWITCH to POST to place the EQ circuit after the drive, with a nice bump on the TREBLE and MID frequency controls.

This also works great to set up a solo and rhythm drive tone in one pedal. Kick on the EQ for a treble boost that'll cut through the mix during solos; turn it off for more mellow rhythm tones.

MID-PUSHED DRIVE

Many traditional overdrive tones are crafted using a significant mid-frequency boost before the drive circuit, causing the mids to clip more than other frequencies and producing the familiar increase of presence in the mix.

Placing the EQ circuit before the drive by setting the EQ SWITCH to PRE lets you dial in just the right amount of mid boost rolling into the drive to sculpt the perfect presence push for your guitar tone.

BORDERLINE DISTORTION

Cranking Voice B to full DRIVE settings provides the bedrock for a thick, gain-heavy tone. To really dial it into a distortion-flavored drive, place the EQ circuit after the drive by setting the EQ SWITCH to POST and "scoop" the mids by turning the MID control down and the TREBLE and BASS controls up.

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IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- WARNING: To prevent damage, fire or shock hazard, do not expose the unit or its AC power to rain or moisture.
- Do not alter the AC plug of the connected power adapter.
- Do not drip or splash liquids on the unit.
- No user serviceable parts inside, refer servicing to qualified personnel only.
- WARNING: The unit must only be connected to a safety agency certified, regulated, power source (adapter), approved for use and compliant with applicable local and national regulatory safety requirements.
- Unplug the AC power adapter before cleaning the unit exterior. Use only a damp cloth for cleaning and then wait until the unit is completely dry before reconnecting it to power.
- Amplifiers and loudspeaker systems, and ear/headphones (if equipped) are capable of producing very high sound pressure levels which may cause temporary or permanent hearing damage. Use care when setting and adjusting volume levels during use.

THIS DEVICE COMPLIES WITH PART 15 OF FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

ADDITIONAL LANGUAGES

Manual available in additional languages at
www.fender.com/support

SPECIFICATIONS

IMPEDANCES	Input: 1MΩ Output: 470Ω
POWER SUPPLY	220mA min @ 9VDC regulated adapter +—◉— - 5.5 x 2.1mm barrel connector (not included)
POWER REQUIREMENTS	9VDC
DIMENSIONS	2.44" x 4.4" x 2.2" (62mm x 111.8mm x 55.9mm)
WEIGHT	0.83 lbs. (0.38kg)

Product specifications subject to change without notice

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