



Nashville™ 112 Amplifier



Operating Manual



FCC/ICES Compliancy Statement

This device complies with Part 15 of the FCC rules and Industry Canada license-exempt RSS Standard(s). 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, that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Warning: Changes or modifications to the equipment not approved by Peavey Electronics Corp. can void the user's authority to use the equipment.

Note – This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution

The equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.



ENGLISH

Congratulations on your purchase of the Peavey Nashville 112. As the leader in steel guitar amplification, we are proud to offer you this smaller, more portable, lightweight cousin to the popular Nashville 1000 amplifier. This amp has all of the same front panel features as the 1000 along with a newly designed 80 Watt power section, an added headphone jack, and a CD input which makes it an ideal choice for practice or small venues. The Nashville 112 also features a long-pan Accutronics reverb and a Celestion Sterling F250 speaker that has been carefully voiced for steel guitar applications.

We know you are anxious to start playing, so we've included a "Quick Start" section and a "Recommended Settings" section. These are certain to get you on your way. However, **it is important that you read the safety precautions first.** Scan through this manual and locate these safety icons:



Each safety icon is followed by a warning. Read that warning carefully before continuing. Once you have read all of the warnings, refer to the "Quick Start" section below if you so desire. It is recommended that you read this manual in its entirety to fully understand the functions of each feature.

Quick Start - I just wanna play!

The following section takes a "jump in and get your feet wet" approach. If any part seems confusing, refer to the more detailed sections that follow.

Step 1. Insure that you have read and understand all safety warnings noted through-out the manual. It is imperative that you follow these precautions for the safety of yourself and your amp.

Step 2. With the amp turned off, plug the power cord into the proper voltage supply indicated on the back of the unit near the cord retainer.

Step 3. Plug your guitar into either the High or Low Gain input and turn all knobs counterclockwise to their "o" position.

Step 4. Using the "Recommended Settings" on page 8, find the type of tone that most closely resembles the tone you wish to obtain.

Step 5. Set the knobs on the front of the unit to match the setting you have selected.

Step 6. Turn your guitar volume down and turn the amp on via the power switch on the back of the unit.

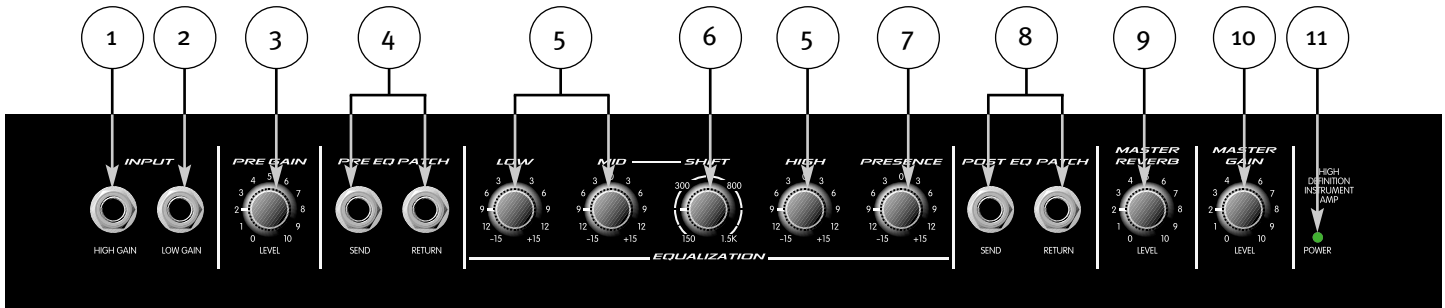
Step 7 Gradually turn the volume of your guitar all the way up or until you are comfortable with the level/tone.

Step 8 To adjust the overall level, use the Master Gain control.

Step 9. To adjust out any undesirable distortion, use the Pre Gain knob. Turning the knob counter-clockwise results in a decreased level, thus reducing the overdriven signal. Any external effects units can also cause the signal to overdrive.

Step 10. You should be able to play at this time. Vary the Reverb and/or EQ knobs to get a feel for their effect on your tone. Most importantly....**READ THE REST OF THIS MANUAL.**

Front Panel



(1) High Gain Input

High Gain Input used for most electric guitars. It is 10 dB louder than the Low Gain input.

(2) Low Gain

Low Gain is provided for instruments that have extremely high outputs, which can result in overdriving (distorting) the High Gain input. If both inputs are used simultaneously, the output levels are the same (Both are low gain.).

(3) Pre Gain

Pre Gain controls the input level of the Nashville 112. Adjusting this control clockwise will increase the input level resulting in a hotter, more responsive signal.

(4) Pre EQ Patch (Volume Pedal Patch)

These 1/4" mono jacks allow for Pre EQ effects patching. Connect a quality shielded instrument cable between the "send" jack and the input of your external effects unit. Connect another quality shielded instrument cable from the output of your effects unit to the "return" jack. Pay attention to the external effects unit levels (input and output) to avoid distortion. Consult the owner's manual for your effects unit. It should be noted that too strong a signal at the return jack can overdrive the EQ section of the Nashville 112. If this happens, the effects unit output should be reduced.

(5) Low, Mid, and High EQ

This section is an active tone control. Adjusting these knobs clockwise from the center (o) position will amplify the low, mid, or high frequency content. Adjusting counterclockwise from the center (o) position will attenuate the low, mid, or high frequency content.

(6) Shift

The Shift knob changes the center frequency of the Mid EQ (5), allowing you to tailor the Nashville 112 EQ to accommodate your tone requirements. The center frequency can be adjusted from 150 Hz to 1.5 kHz. Keep in mind that the further you turn the knob away from a frequency, the less affect the Mid EQ will have on that frequency.

Note: The shift and MID controls interact in determining the preferred mid-range settings.

(7) Presence

Presence is an active tone control that boosts the extreme high frequencies up to 15 dB.

(8) Post EQ Patch

Similar to the Pre EQ Patch(4), these jacks are post EQ. The same connections apply. The return level should still be monitored for its strength. In addition, the Post EQ Patch can be taken in and out of the signal path via the footswitch (not included).

(9) Master Reverb

Adjusting this control clockwise will result in more reverb content in the output of the amp. The reverb can be defeated by rotating the control counterclockwise or via the footswitch (not included).

Master Gain (10)

The Master Gain controls the overall volume level of the amplifier. The final adjustment to this control should be made after the desired sound/tone has been achieved.

Power LED (11)

The Power LED illuminates when power is supplied to the amp. If this LED is lit, the amp is on.

Rear Panel



(12) Power Switch

Placing this switch in the "On" position will result in power being supplied to the unit. The Power LED (11) will illuminate when the amp is on.

(13) Power Amp In

This mono 1/4" jack provides an input to the power amplifier. When used in conjunction with the Preamp Out jack (14), an effects loop is formed allowing the use of external equalizers and effects.

(14) Preamp Out / CD Input

This mono 1/4" jack provides an output from the preamp. When used in conjunction with the Power Amp In jack (13), an effects loop is formed allowing the use of external equalizers and effects. This jack can also be used to connect the output of a CD or tape player to the power amp for "play along" practicing. A shielded stereo cable should be used to connect to the CD input.

(15) Line Out

The Line Out XLR jack offers you a balanced, low impedance output to go to a mixing board or snake. This can help to eliminate mics on stage as well as loud levels. This results in less chance of feedback as well. Use quality mic cables to make this patch.

(16) Headphone Jack

A headphone jack is provided for stereo headphones. This switching jack disengages the internal speaker when plugged in.

(17) Remote Switch

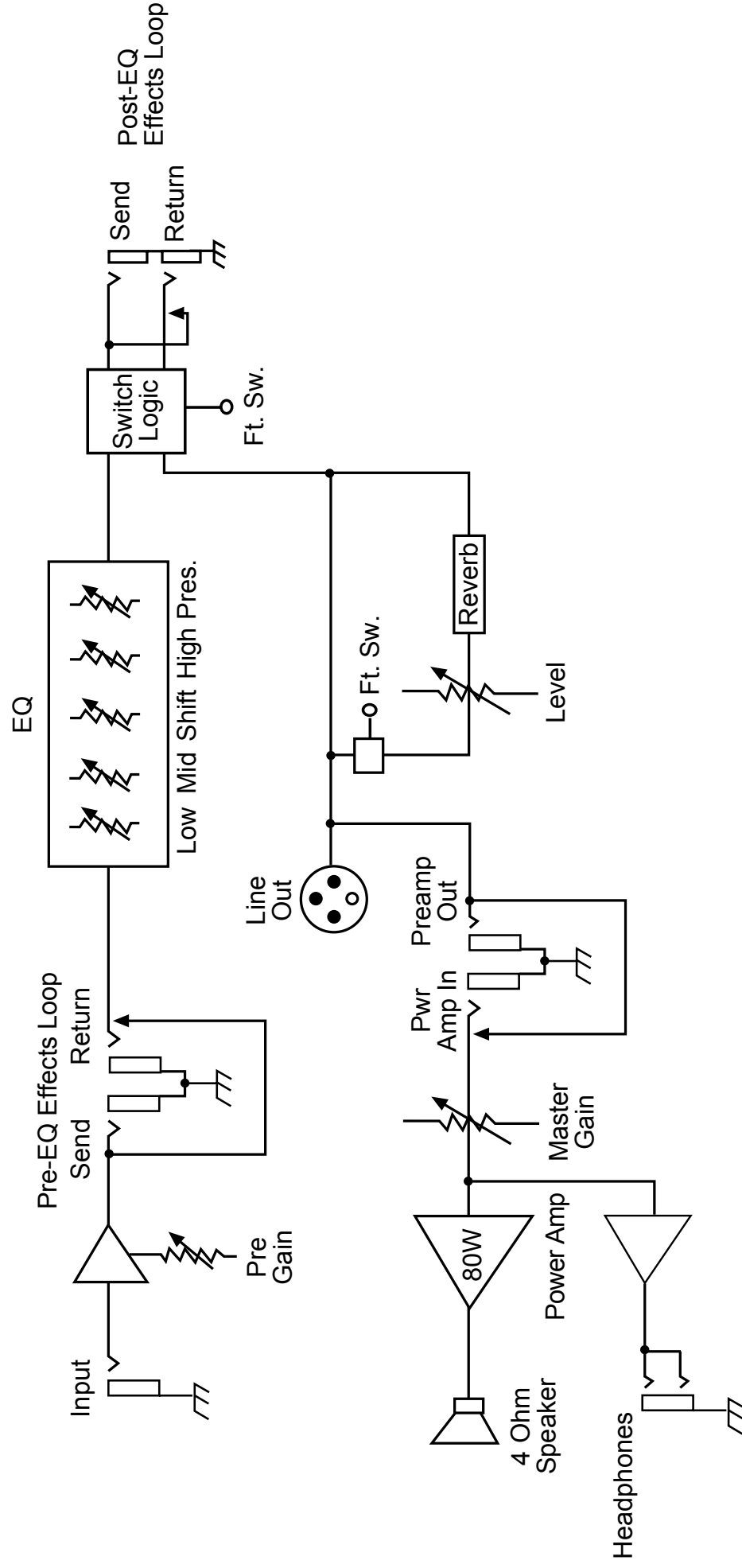
This jack is provided for the connection of the optional footswitch (part #03022910). The footswitch is a multi-function type, allowing you to defeat the Reverb and/or the Post EQ Patch loop. To use the footswitch, insure that the footswitch plug is inserted fully into the jack.

Removable AC Power Cord

This receptacle is for the IEC line cord (included), which provides AC power to the unit. Connect the line cord to this connector and to a properly grounded AC supply. Damage to the equipment may occur if an improper line voltage is used (see voltage marking on unit). Never remove or cut the ground pin of the line cord plug. This unit is supplied with a properly rated line cord. When lost or damaged, replace this cord with one of the proper ratings.

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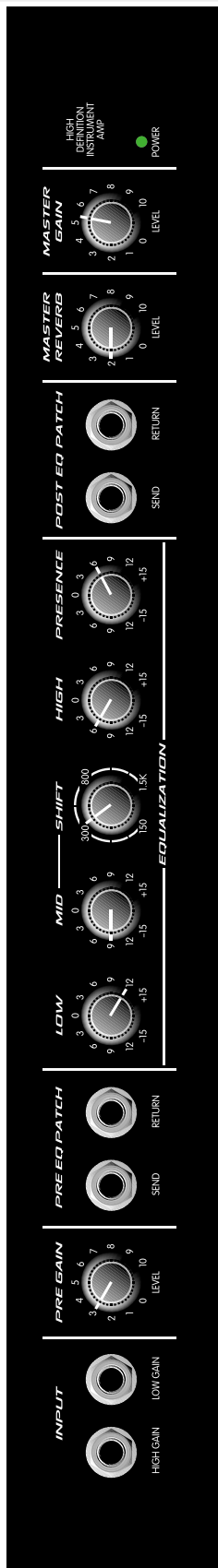
BLOCK DIAGRAM



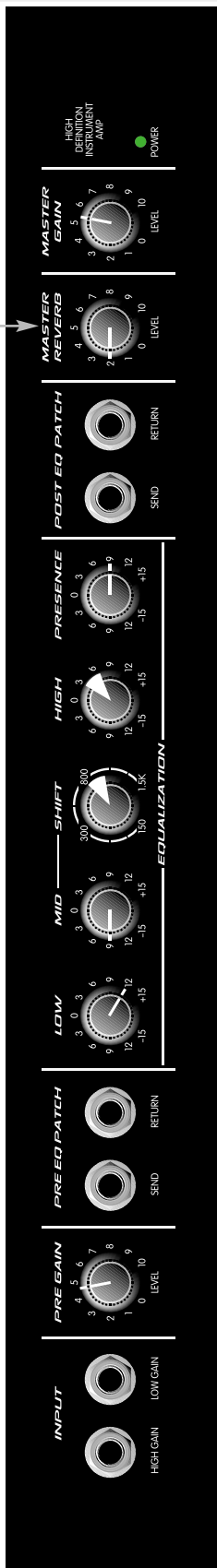
NASHVILLE™ 112

SETTING EXAMPLES

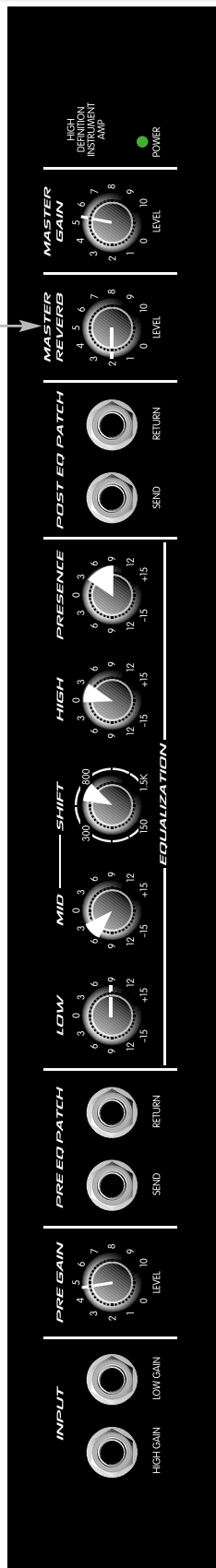
Fiddle



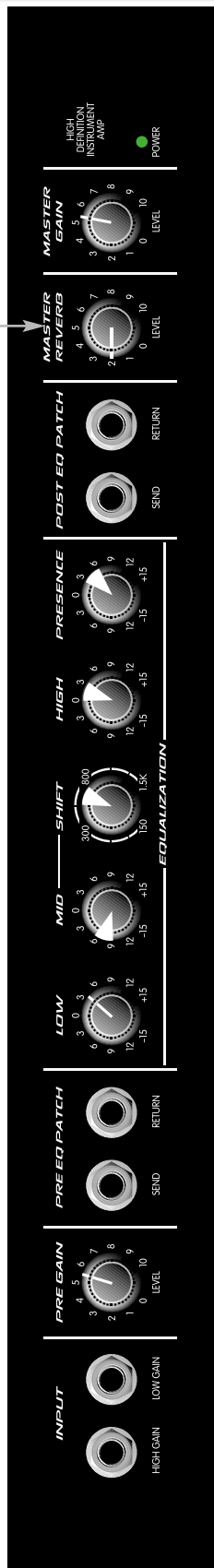
Clean Lap Steel



Steel: E9th



Steel: C6th



*For CLEAN settings: the MASTER should be a higher setting than the PRE GAIN to avoid premature signal clipping.

Nashville™ 112

SPECIFICATIONS

Power amplifier section:

Rated power and load:

80 Watts RMS into 4 Ohms (with DDT™ compression)

Frequency response:

+0, -3 dB, 20 Hz to 20 kHz @ 80 Watts RMS into 4 Ohms

Total harmonic distortion:

Less than 0.3%, 1 Watt to 80 Watts RMS, 20 Hz to 20 kHz, 4 Ohms

DDT™ dynamic range:

Greater than 20 dB

DDT maximum THD:

Below 0.8% THD for 6 dB overload
Below 3.5% THD for 20 dB overload

Hum and noise:

Greater than 83 dB below rated power

Power consumption:

200 Watts, 50/60 Hz, 120 VAC (domestic)

Preamp section:

The following specs are measured @ 1kHz with the controls preset as follows:

Master gain @ 10

Low EQ @ 0 dB

Mid EQ @ 0 dB

Mid Shift @ 600 Hz

High EQ @ 0 dB

Presence EQ @ 0 dB

Reverb @ 0

Nominal levels are with pre gain @ 5

Minimum levels are with pre gain @ 10

Preamp high gain input (no pad):

Impedance: High Z, 220 k Ohms

Nominal input level: -29.9 dBV, 32 mV RMS

Minimum input level: -53.2 dBV, 2.2 mV RMS

Maximum input level: 8 dBV, 2.5 V RMS

Preamp Low Gain Input (-10 dB pad):

Impedance: High Z, 68k Ohms

Nominal input level: -19.9 dBV, 101 mV RMS

Minimum input level: -43.2 dBV, 6.9 mV RMS

Maximum input level: 18 dBV, 8 V RMS

Pre EQ patch send:

Load impedance: 10k Ohms or greater

Nominal output level: -18.6 dBV, 117 mV RMS

Pre EQ patch return:

Impedance: High Z, 220 k Ohms

Designed Input Level: -18.6 dBV, 117 mV RMS

(Switching jack provides send to return connection when not used)

Post EQ patch send:

Load impedance: 10 k Ohms or greater

Nominal output level: -14.1 dBV, 198 mV RMS

Post EQ patch return:

Impedance: High Z, 1 m Ohms

Designed Input Level: -14.1 dBV, 198 mV RMS

(Switching jack provides send to return connection when not used)

XLR line output:

Load impedance: 5 k Ohms or greater

Nominal output level: -3.1 dBV, 0.7 V RMS

Preamp output / CD input:

Load impedance: 10 k Ohms or greater

Nominal output level: -3.1 dBV, 0.7 V RMS

Nominal CD Input Level: -3.1 dBV, 0.7 V RMS

(Stereo cable must be used for CD Input to function)

Power amp input:

Impedance: High Z, 27 k Ohms

Designed Input Level: -3.1 dBV, 0.7 V RMS

(Switching jack provides preamp output to power amp input connection when not used)

System hum and noise @ nominal input level:

(20 Hz to 20 kHz unweighted)

Greater than 75 dB below rated power

Equalization:

Low: +/-15 dB @ 45 Hz, shelving

Mid: +/-15 dB @ Mid Shift frequency, boost/cut

Mid Shift: 150 Hz to 1.5 kHz

High: +/-15 dB @ 6 kHz (special EQ)

Presence: +/-15 dB @ 10 kHz, shelving

External footswitch (part #03022910, not included) functions:

Select effects: Post EQ effects Loop defeat

Reverb: Reverb defeat

Dimensions (H x W x D):

18.125" x 21.375" x 10.250"

Weight:

42.3 lbs.



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Warranty registration and information for U.S. customers available online at

www.peavey.com/warranty

or use the QR tag below



Features and specifications subject to change without notice.

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Logo referenced in Directive 2002/96/EC Annex IV (OJ(L)37/38, 13.02.03 and defined in EN 50419: 2005
The bar is the symbol for marking of new waste and is applied only to equipment manufactured after 13 August 2005