VYPYR® PRO
Modeling Amplifier

Operating
Manual

FCC Compliancy Statement

This device complies with Part 15 of the 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, that may cause undesired operation.

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.

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In order for the above two models to meet FCC/ICES requirements, a Steward 28A0592-0A2 ferrite core (or equivalent) must be placed on the USB cable where it exists/connects to the amplifier.

CAN ICES-3(B)/NMB/3(B)

Features and specifications are subject to change without notice.

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Vypyr® Pro

Modeling Amplifier

Congratulations on the purchase of the most advanced modeling amplifier to date! Peavey® introduces its newest member of the VYPYR Series, the VYPYR PRO 100. As the name implies, the VYPYR PRO is an amp featuring professional-grade tone and features, in a unique and intuitive layout. Because of the advanced dual processor design, the VYPYR Pro can run up to four amplifier models in parallel. Using the VYPYR Pro's unique architecture, the VYPYR is capable of designing a variety of signal path combinations. Four module bays each with their own distinct LCD can be assigned to an amplifier, effect, stomp box, or in the first position an instrument model.

The modules can be assigned in any order, allowing the user the ability to create the exact rig they desire, even if they desire to run two or up to four amplifiers in parallel. With up to 5 parameters to precisely control effects, multiple delay types and advanced features such as MSDI (microphone simulated direct interface), direct output, effects loop, and MIDI control allow the professional player to create the rig of their dreams inside a single combo amplifier.

The VYPYR Pro continues the tradition of appropriate technology using 4 stages of patented TransTube® analog gain to create the most realistic tube sounding distortion in any modeling amplifier. By using analog distortion, the VYPYR Pro's digital processor has the amazing ability to offer almost limitless combinations of additional stompboxes, "rack" effects, amplifiers and now even instrument models. The result is an overall better and cleaner tone.

Recording is a mainstay of the VYPYR Pro design. With the most advanced USB audio system in any VYPYR, the Pro was designed from the beginning for home recording. The VYPYR Pro also features an analog speaker and microphone simulated direct out for recording as well.

With 500 presets available and dozens of different models of effects, reverbs, delays and amplifiers, the VYPYR Pro is the most innovative and advanced modeling amplifier on the planet. Designed for the working musician by the musicians at Peavey Electronics, it is perhaps the most versatile amp ever created.

The perfect companion for the VYPYR Pro, Peavey's updated Sanpera® Pro Footcontroller unlocks all the power of the VYPYR Pro. The Sanpera Pro's dual expression pedals can be assigned to the default setting (volume on left, wah on right), and to 3 different stompbox or effects parameters! The Sanpera Pro's expression pedals are also range definable. The footcontroller also features a boost switch, tap tempo, a chromatic tuner, and looper controls that allow users to generate multi-track loops.

AT-200™ integration is a key part of the VYPYR Pro design. The MIDI output allows the VYPYR Pro to communicate with Peavey's revolutionary AT-200 guitar in order to change presets inside the guitar with one simple VYPYR Pro button press (requires an AT-200 guitar loaded with one of the optional feature packs, available at www.autotuneforguitar.com)

KEY FEATURES:
• Dozens and dozens of different amp, effect, stompbox and instrument models
• Advanced WYSIWYG interface - What you see is what you get!
• Four selectable model bays with an LCD for each
• Multiple delay and reverb types
• Patented Analog TransTube preamps
• 100 Watts
• Custom voiced 12" speaker specifically designed for modeling
• 500 user assignable presets
• Real time control over Delay, Reverb and real time model parameter control
• 3 adjustable noise gates
• MIDI output for changing presets on an external MIDI device, including the Peavey AT-200 guitar
• Buffered Effects Loop
• Power Sponge output power adjustment
• MSDI™ Output with XLR and ground lift switch
• USB Interface for recording, editing presets and updating firmware
• Speaker defeat switch
• Studio-quality Headphone output
• On board chromatic tuner
• On board over-dubbing looper with optional Sanpera footswitch

⚠ VENTILATION: For proper ventilation, allow 24" clearance from nearest combustible surface.
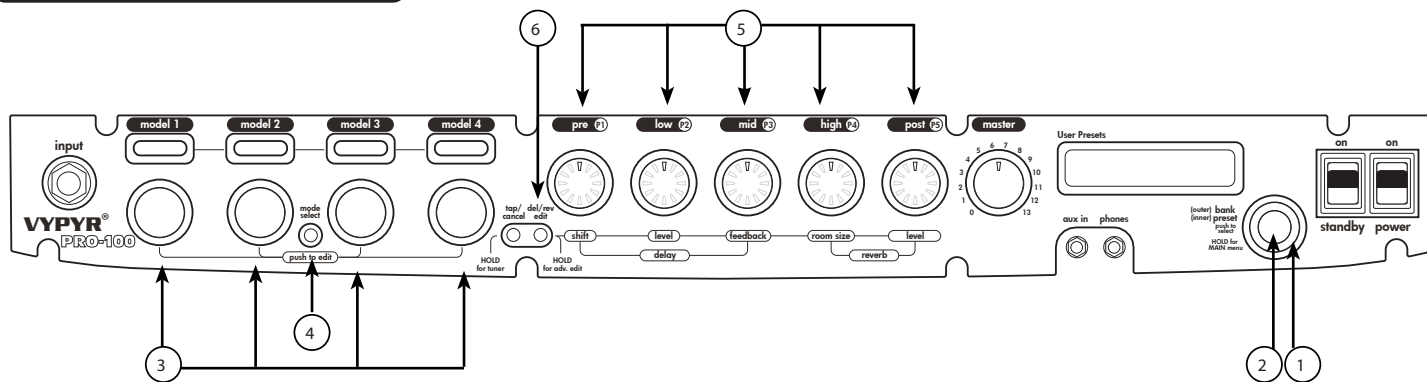
A. **Plug and Play**

- Turn power/standby switches to "On" position. The standby switch is included so that you can play and record with the power amp switched off.
- Plug in instrument.
- Selecting Presets–Use knob on far right of panel.
  - Use outer bank wheel (1) to scroll through preset banks. Each bank contains four presets.
  - Use inner knob (2) to find a preset. Press inner knob to select the preset.

B. **Adjusting Presets**

- Model Select
  - Push model select button (3).
  - Scroll(4) through Model Types (i.e. Stomp Box, instrument, effect or amp) and press knob (4).
  - Select modes for up to 4 models.
  - Scroll through amp models, for example, and press the knob to select.
  - With the model selected, the parameter knobs (5) will illuminate to display that model's current settings.
- Adjust Model Parameters
  - Press model you want to edit.
  - The parameter knobs will illuminate to reflect that model's settings.
  - Edit chosen model using the parameter knobs.
  - The Vypyr Pro will remember your changes even if you change models until you save the preset.
- Delay/Reverb Quick Edit Menu
  - Tap the Delay/Reverb Edit button (6)
  - The main parameter knobs (5) now are controlling the parameters listed below the knobs which include Delay Time Shift, Delay Level, Delay Feedback, Reverb Room Size and Reverb Level.

NOTE: The Deep Edit Menu contains much more detailed tone shaping tools. In this menu you will find submenus for Delay, Reverb, Input and Output settings. This menu is described in detail later in this owner's manual.

C. **VYPYR® Main Edit Menu**

- To enter main menu, press inner preset button (2)
  - Use either the outer bank wheel (1) or inner knob (2) to scroll through the following functions: Load Preset; Save Preset; Rename Preset; Rename Bank; Default Pedals; Assign Pedals; Enable/Disable Midi Out; Midi Out Channel; Restore Preset; Factory Reset; Disable/Enable Demo; Delay Trails On/Off; Reverb Trails On/Off; Show Version; Update Software; Input Sensitivity; Exit Menu
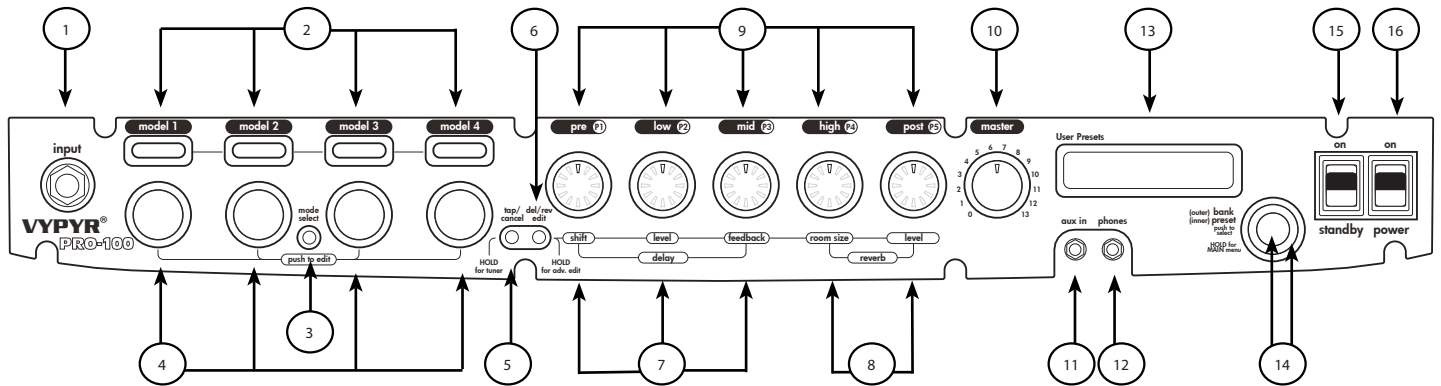
1   **Instrument Input**
Plug in your instrument here.

2   **Model Bay Displays**
In "Mode Select" mode displays the available model types (Instrument {model bay 1 only}, Amp, Stomp Box and Effects). In normal mode displays the selected models.

3   **Mode Select Button**
Allows the user to switch into Mode Select mode. Holding the Mode Select Button down for 2 seconds changes the Model Select Knobs to Signal Chain Select Mode. In this mode, you can change the order that the models are in, simply by turning the knobs. This is particularly handy when you have forgotten to add a certain model in model bay 1. With Signal Chain Select Mode, you would then move the other 3 models to the right, leaving Model Bay 1 empty and ready for you to add the model you wish to add.

4   **Model Select Knobs**
Allows user to scroll through Modules and Modes.

5   **Tap Tempo Control/Tuner Selector/Cancel**
Tapping this button sets the delay time for the Delay effect. Holding this button down activates the tuner function. In most instances, this button can be used to cancel out of a menu.

6   **Delay/Reverb Edit Button**
Tapping this button once activates the Delay/Reverb Quick Edit Menu. Pressing and holding this button activates the Deep Edit Menu, which is described in detail later in this owner's manual.

7   **Delay Parameter Adjustment Knobs**
When in Delay Edit Mode, these knobs adjust Shift, Delay Level and Feedback.

8   **Reverb Parameter Adjustment Knobs**
When in Reverb Edit Mode, these knobs adjust Room Size and Level.

9   **Parameter Adjustment Knobs**
These knobs adjust model parameters. Amp parameters are listed because they are the same on each amp. Other model parameters are shown on the screen as you edit.

(10) Master Volume
Adjusts the overall loudness of the amplifier.

(11) Auxillary Input
This input allows for external audio sources, such as a CD or MP3 player.

(12) Headphone Jack
Output for Headphones, which can also be used as a direct output for recording, if needed.

(13) Master LCD Display Screen
Displays presets, modes, amp and effects parameters, as well as other information as needed.

(14) Bank Wheel (outer) and Preset Wheel (inner)
Allows user to scroll through Banks of presets (outer wheel) and through presets within a particular Bank (inner wheel). These knobs also are used in the Vypyr Main Menu to make selections and adjustments.
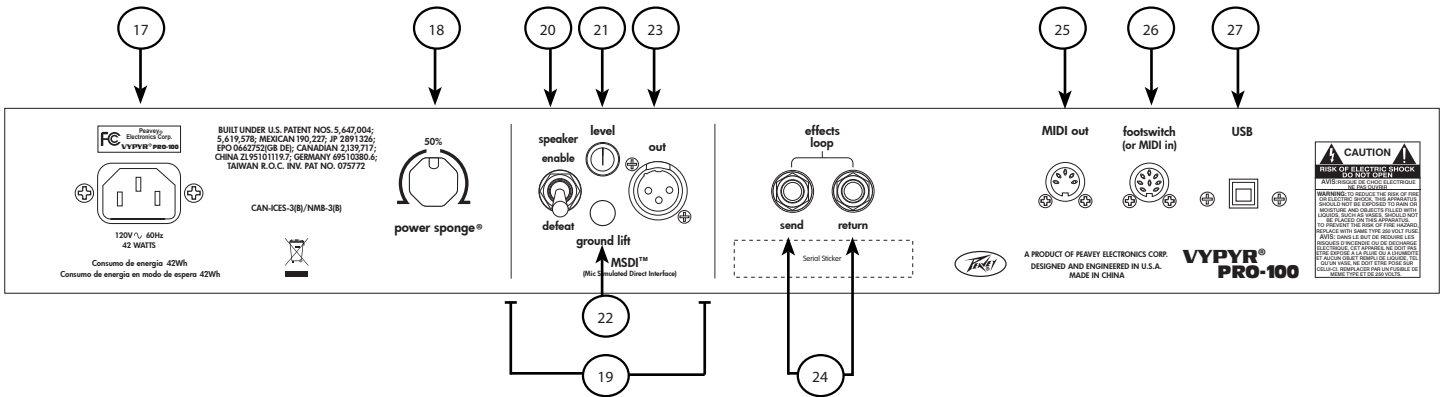
(15) Standby Switch
Allows amp to be placed in standby or active mode.

(16) Power Switch
Switch to "On" position to turn on.

17 — AC Power Inlet

This is the receptacle for an IEC line cord, which provides AC power to the unit. Connect the line cord to this connector to provide power to the unit. Damage to the equipment may result if improper line voltage is used. Never break off the ground pin on any equipment. It is provided for your safety. If the outlet used does not have a ground pin, a suitable grounding adapter should be used and the third wire should be grounded properly. To prevent the risk of shock or fire hazard, always make sure that the amplifier and all associated equipment is properly grounded.

NOTE: FOR UK ONLY

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: (1) The wire which is coloured green and yellow must be connected to the terminal which is marked by the letter E, or by the Earth symbol, or coloured green or green and yellow. (2) The wire which is coloured blue must be connected to the terminal which is marked with the letter N, or the colour black. (3) The wire which is coloured brown must be connected to the terminal which is marked with the letter L, or the colour red.

To avoid the risk of electrical shock, do not place fingers or any other objects into empty tube sockets while power is being supplied to unit.

18 — Power Sponge

The Power Sponge allows the user to adjust the natural clipping or distortion of the power amp section of the amplifier. This feature allows the amplifier headroom to be raised or lowered, thus, allowing the amplifier to be "pushed" at a much lower volume. At a setting of 100%, the amp will have greater clean headroom; at 50%, the amp will begin to distort at the same volume. The maximum attenuation capability of this control can result in as low as 1% of the rated output power.

19 — MICROPHONE SIMULATED DIRECT INTERFACE - MSDI™

Peavey's exclusive MSDI™ simulates the sound of a microphone placed approximately 8" from a loudspeaker cone, allowing the user to send an accurate, good quality signal to the mixing console without any acoustic spill from other instruments on stage. This is a non-powered output and safe for use with any mixing console. This output can also be used for recording.

20 — Speaker Engage/Defeat Switch

This effectively disconnects the speaker, and enables the user to monitor their playing using the signal from either the MSDI™ or USB outputs.

21 Level Knob
Adjusts the volume level of the MSDI™ going to the soundboard.

22 Ground Lift Button
Engage this switch if the mix engineer is hearing a hum in the MSDI™ output. This should eliminate the hum by removing the ground loop.

23 MSDI™ XLR Direct Out
The MSDI™ XLR output allows direct connection to a soundboard or other audio device.

24 EFFECTS LOOP SEND and EFFECTS LOOP RETURN
1/4" output jack for supplying signals to external effects or signal processing equipment and 1/4" input for returning signals from external effects or signal processing equipment.

25 MIDI OUT
Sends MIDI preset messages to any external MIDI device.

26 FOOTSWITCH/MIDI IN
This enables MIDI signals to be recieved from an external MIDI capable device (via 5-pin MIDI cable), and can also be a means of plugging in the optional Sanpera PRO footswitch (via 8-pin DIN cable). Refer to the Vypyr Pro MIDI SPEC download on the Vypyr Pro webpage on www.Peavey.com for detailed information on the MIDI capabilities of the Vypyr Pro.

27 USB PORT
Allows interaction with a computer. This is important for software updates and operates as an audio source for recording on computer. This USB port also connects the Vypyr Pro to your computer for use with the Vypyr Edit program.   Vypyr Edit can be found at http://peavey.com/vypyredit

•The different types of models are color coded. Amps are red, Instruments (M1 bay only) are yellow, stomp boxes are orange and effects are blue.

•If there is already a model present, you can change either the type of currently chosen model or you can change the overall type of model. For instance, if there is already an amp present, to change the type of amp model, simply turn the dial to select a different amp and press the model encoder. To change the type of model, push and release the MODE SELECT button, which changes the 4 model screens to MODEL TYPE SELECT MODE.

•If there isn't a model type present, there is no need to press the MODE SELECT button.   Simply turning the model encoder will automatically change the model screens to MODEL TYPE SELECT MODE.

•If a change in the order of the models is desired, press and hold the MODE SELECT button. The master LCD screen will read "MODEL 1-4 SWAP MODEL POSITIONS".   In this mode, turning any of the 4 model encoders will move that model back and forth within the preset order. For example, if there are 3 models chosen and the M4 position is empty and you wish to add a new effect at the beginning of the signal chain, such as a compressor, you would press and hold the MODEL SELECT button and use the 4th model bay's encoder to move the empty bay over to bay 1.

NOTE: ANY TIME A STOMPBOX OR AMP IS PRESENT, IT REPRESENTS A NEW PARALLEL SIGNAL CHAIN.   FOR EXAMPLE, IF THE MODEL BAYS ARE STOMPBOX>AMP>STOMPBOX>AMP, AND THE AMP IN BAY 2 IS BYPASSED, THEN YOU WILL NOT HEAR THE STOMPBOX IN BAY 1 BECAUSE THE AMP THAT IT FEEDS IS TURNED OFF. SOME TRIAL AND ERROR WILL BE NECESSARY TO GET THE HANG OF HOW THE SIGNAL CHAIN WORKS IN THE VYPYR PRO.

•To edit each model's parameters, including amp models, press and release the cooresponding model's encoder (NOTE: pressing and holding the model encoders will bypass that model. This is shown on the model screen as lower case letters). When the model is chosen, the corresponding screen is brighter, and the parameter encoders can be turned to change the desired parameters. Anytime a parameter is tweaked, the master LCD screen will show the name of the parameter as well as the value.

•VERY IMPORTANT. With the Vypyr, delay and reverb are always available, they do not need to be chosen as a stomp or effect model as is the case with other modeling amps. To change the settings to the delay and reverb, including turning them off, press and release the DEL/REV EDIT button which is righ next to the TAP TEMPO button. This will change the mode of the amp to QUICK EDIT DELAY/REVERB mode. In this mode, the 5 parameter encoder's functions change from the top line of text to the bottom line of text. Turning the parameter encoders will change the Delay Level, Time Shift (delay times are set using the tap tempo button), Delay Feedback, Reverb Room Size and Reverb Level. To turn off the delay or reverb, simply adjust the Delay Level or Reverb Level down to 0.

- To enter main menu, press inner preset button (2)
- Use outer bank wheel (1) to scroll through the following functions (these functions are described in detail later in this owner's manual):
    - Load Preset
    - Save Preset
    - Rename Preset—Give an epic name to your creation.
    - Rename Bank—Rename a group of presets, for instance a song name.
    - Default Pedals—Assigns the wah and volume to the left or right on the Sanpera Pro, whatever you prefer.
    - Assign Pedals—Assign functions for the expression pedals on the optional Sanpera Pro footcontroller. In this menu you use the Main Inner and Outer encoders to edit, using the outer wheel to select functions and the inner knob to assign values. The Model Bay encoders can also be used. To edit using the Model Bay encoders, press the encoder that corresponds to the function you wish to edit, then turn the encoder to set the value. The editable functions are as follows:
        - Parameter select: The default is set to NOTHING. Scrolling this encoder you would select what parameter to adjust with the expression pedal.
        - Up Value: Select the value you want the parameter to be when the toe of the expression pedal is UP.
        - Down Value: Select the value you want the parameter to be when the toe of the expression pedal is DOWN.
        - Pedal/Parameter#: Each pedal can control up to 3 parameters, which can be almost any thing in the preset. The parameter# is displayed as L PED A, L PED B, L PED C, R PED A, R PED B and R PED C.

    NOTE: A good example of how this works would be by using the delay. Set the Pedal/Parameter# setting to L PED A, the Parameter Select to DELAY LEVEL, the Up Value to 0 and the Down Value to 90. Then press the INNER KNOB to save the setting. Now, when you play, rock the LEFT pedal back and forth. You should hear the delay setting change per your adjustments. This method can be used to adjust almost anything in the preset and the WYSIWYG knobs will display the changes in real time if applicable.

    - Enable/Disable Midi Out: Enabling MIDI Out will allow the amp to send MIDI Program messages to a specified MIDI Out Channel. By selecting this function, each preset can send a specific MIDI Program message out to an external device. By using the Peavey AT- 200 guitar with an optional Feature Pack from Antares, you can open up an almost limitless possibility of combinations of instruments and amplifiers! For more information on Feature Packs for the AT-200, please refer to www.autotuneforguitar.com.
    - Midi Out Channel—Selects which MIDI channel the preset messages are sent to.
    - Restore Preset—Restores presets to factory settings while leaving items in the Main Edit Menu un changed.
    - Factory Reset—Restores everything to factory settings, including items in the Main Edit Menu.
    - Disable/Enable Demo—Toggles on/off the attract mode Light Show and allows for banks A-B to be over-written.
    - Delay Trails On/Off—Toggles delay trails on/off. When trails are turned off, the delay trails will cut off when changing presets.
    - Reverb Trails OnOff—Works in a similar fashion to the Delay trails, only with the Reverb.
    - Show Version—Displays software version.

Activate the Deep Edit Menu by pressing and holding the Delay/Reverb Edit button for 2 seconds. This menu is actually a series of 4 Sub Menus, including Delay, Reverb, Input and Output menus. Pressing the corresponding Model encoder will activate the sub menu. In each menu, the Parameter Knobs are used to change settings. In each menu the OUTER BANK WHEEL and INNER KNOB (except for the Reverb Menu) are also used for various settings.

DELAY MENU

When the DELAY (Model 1) encoder is selected, the main LCD screen will display the Delay Type and Delay Subdivision. The OUTER BANK WHEEL selects between Analog Delay, Digital Delay, Modulation Delay, Multi-Tap Delay, Tape Delay and Tube Delay. The INNER KNOB selects between Quarter Note (default) and Dotted Eighth Note. This corresponds to the delay setting in relation to what is set using the Tap Tempo Button. Selecting Quarter Note will set the delay time to exactly what is tapped in. Selecting Dotted Eighth will set the delay time to ¾ the tempo of what is tapped in. Use Dotted Eighth note when you want the same type of delay used by David Gilmour or U2. To achieve this sound, you would play eighth notes in relation to the quarter notes you have tapped in. With the Delay Level set at a high level, the delay will create a pleasing rhythmic pattern that will be immediately familiar to you!

- Parameter Knob Functions:
    - P1—Delay Time Shift. After tapping in the desired tempo using the Tap Tempo button, use this encoder to "fine tune" the delay time to match the desired setting.
    - P2—Delay Level. This encoder sets the volume of the delay in relation to the dry guitar signal.
    - P3—Delay Feedback. This encoder sets the length of the Delay Feedback.
    - P4—This encoder controls a different parameter depending on which delay is chosen.
        - Analog Delay—Delay Tone
        - Digital Delay—Delay Tone
        - Modulation Delay—Modulation Rate
        - Multi-Tap Delay—Tap 1 Echo Position
        - Tape Delay—Delay Tone
        - Tube Delay—Delay Tone
    - P5—This encoder controls a different parameter depending on which delay is chosen.
        - Analog Delay—N/A
        - Digital Delay— N/A
        - Modulation Delay—Modulation Depth
        - Multi-Tap Delay—Tap 2 Echo Position
        - Tape Delay—Tape Noise
        - Tube Delay—Tube Drive

REVERB MENU

When choosing the Reverb Menu, the main LCD screen will display the Reverb Type. These include Cathedral, Gated, Hall, Plate, Room, Spring and Tile.

- Parameter Knob Functions. Note: Since the Delay/Reverb edit mode uses the bottom row of text, the Reverb Parameter knobs will go from right to left, just as they do in Delay/Reverb edit mode.
  - •P5—Reverb Level. Sets the volume of the Reverb in relation to the dry guitar signal.
  - •P4—Reverb Room Size. Adjusts the "size" of the virtual room creating the reverb sound.
  - •P3—This encoder is only active when Gated Reverb is chosen. In this mode, P3 controls the Gated Hold Time, which adjusts how much time goes by before the reverb starts.
  - •P2—This encoder is only active when Gated Reverb is chosen. In this mode, P2 controls the Gated Threshold. The gated threshold sets the input level at which the reverb will turn on. The reverb stays on as long as the input is above the threshold. When the input level falls below the threshold, the reverb will remain on for the specified hold time and then turn off.
  - •P1—This encoder is not used for the Reverb menu.

INPUT MENU

When selecting the Input menu, the main LCD screen will display the Bright control setting as well as the Noise Gate Type.   The OUTER BANK WHEEL toggles between Bright on/off, while the INNER KNOB selects between the Noise Gate Types, which include Global Input Gate, Custom Input Gate & Custom Output Gate.

- Global Input Gate—This gate should be used when a certain instrument is used a lot of the time which is causing noise, as in the case of most single coil equipped instruments.   Presets that use the Global Input Gate will share the same settings. If you change the settings for the Global Input Gate on any of the presets that use it, the settings will also change for all the other presets that use this gate.
- Custom Input Gate—This gate operates exactly like the Global Input Gate, however the settings are specific to each preset that uses it.
- Custom Output Gate—This gate's settings are specific to each preset that uses it and should be used when high gain amplifier models are used. High gain amplifiers intrinsically have a higher noise floor than do clean amplifiers.
- Parameter Knob Functions:
  - •P1—Volume Pedal Insert. This adjusts where in the signal chain the Sanpera Pro's volume pedal is inserted. Select AT AMP OUTPUT if you want to use the volume pedal as a master volume, adjusting the volume of the entire amplifier. Select AT GUITAR INPUT if you want to use the volume pedal in the same way you would use your guitar's volume knob. This is the most common usage of this feature.
  - •P2—Wah Intensity—With the Vypyr Pro, even the Wah pedal's intensity can be adjusted!   You could even use the other expression pedal to adjust the intensity, effectively giving you 2 different sounding wah pedals for a given preset!
  - •P3—Noise Gate Input Threshold. Controls the input sensitivity of the noise gate.
  - •P4— Noise Gate Output Decay. Controls the decay of the noise gate.
  - •P5— Noise Gate Output Attenuation. Controls the level of the noise reduction employed by the noise gate. The more noise that is apparent in the sound, the higher this control must be set to make it go away.

OUTPUT MENU

When this menu is selected, the main LCD screen will display the status of the Boost feature, as well as the MIDI program message to be sent via MIDI for that particular preset. Using the OUTER BANK WHEEL will toggle between Boost on/off. The INNER KNOB controls what MIDI program# message is sent via MIDI.

- •P1—Boost Level. No preset Boost level here on the Vypyr Pro, you can program it per preset! Here you can set the boost for anything in between a 2.65dB and 9dB boost.
- •P2—Looper Level. Purchasing the optional Sanpera Pro footcontroller enables you to use the onboard multi-overdubbing Looper. Each time you add a loop, the level of that loop's playback can be adjusted here to anything between -18dB to +6.6dB.
- •P3—Presence control. The Presence control can be set per preset on the Vypyr Pro! This controls the high end damping factor of the power amp, adding high end to the overall signal.
- •P4—Resonance control. The Resonance control operates in a similar fashion to the Presence control, but instead of high end it controls low end. The Resonance control will add the low end thump you desire when using high gain palm muting techniques.
- •P5—Master Volume. This is an incredibly handy feature to have in a modeling amp. Frequently, volume levels between presets can be tricky to get exactly how you want them, since stage level can vary so much in relation to practice level. Typically, the remedy for this would be to adjust the POST GAIN control of the amplifier model. However, this is not ideal because adjusting the POST GAIN control also affects the sound of the amplifier model, particularly in lower power models. By using this Master Volume control, the volume level between presets can be adjusted without compromising the tone of the amplifier model!

NOTE: In Deep Edit Mode, the Tap Tempo cannot be used as the CANCEL button. To exit the Deep Edit Menu, simply tap the Delay/Reverb Edit button.

Product Specifications

Vypyr Pro 100 - General Specifications

Rated Power & Load:
      (10% THD, 1kHz, 120V AC line)
      100W(rms) into 16 Ohms

Power Consumption (1/8th Power Output):
      42W @ 50/60Hz, 100-120V AC
      42W @ 50/60Hz, 220-240V AC

Dimensions & Weight
      20.0"H x 23.0"W x 10.0"D
      38.0 lbs.

MODEL NAME	DESCRIPTION	P1	P2	P3	P4	P5
	AMPS					
650C	6505+® CLEAN	Pre-gain	Bass	Mids	Treble	Master Volume
6505	6505+® LEAD	Pre-gain	Bass	Mids	Treble	Master Volume
653C	6534+® CLEAN	Pre-gain	Bass	Mids	Treble	Master Volume
6534	6534+® LEAD	Pre-gain	Bass	Mids	Treble	Master Volume
C50C	CLASSIC® 50 CLEAN	Pre-gain	Bass	Mids	Treble	Master Volume
CL50	CLASSIC® 50 LEAD	Pre-gain	Bass	Mids	Treble	Master Volume
KNGC	VALVEKING® II CLEAN	Pre-gain	Bass	Mids	Treble	Master Volume
KING	VALVEKING® II LEAD	Pre-gain	Bass	Mids	Treble	Master Volume
XXXC	XXX® II CLEAN	Pre-gain	Bass	Mids	Treble	Master Volume
XXX	XXX® II LEAD	Pre-gain	Bass	Mids	Treble	Master Volume
BTCC	BUTCHER® CLEAN	Pre-gain	Bass	Mids	Treble	Master Volume
BTCH	BUTCHER® CRUNCH	Pre-gain	Bass	Mids	Treble	Master Volume
312C	3120® CLEAN	Pre-gain	Bass	Mids	Treble	Master Volume
3120	3120® LEAD	Pre-gain	Bass	Mids	Treble	Master Volume
BTMC	BUDDA® TWINMASTER® CLEAN	Pre-gain	Bass	Mids	Treble	Master Volume
BDTM	BUDDA® TWINMASTER® DIRTY	Pre-gain	Bass	Mids	Treble	Master Volume
BUDC	BUDDA® SD-30 CLEAN	Pre-gain	Bass	Mids	Treble	Master Volume
BUDA	BUDDA® SD-30 DIRTY	Pre-gain	Bass	Mids	Treble	Master Volume
ORCL	ORANGE® CLEAN	Pre-gain	Bass	Mids	Treble	Master Volume
ORNG	ORANGE® DIRTY	Pre-gain	Bass	Mids	Treble	Master Volume
B80C	MARSHALL® JCM800 CLEAN	Pre-gain	Bass	Mids	Treble	Master Volume
BR80	MARSHALL® JCM800 DIRTY	Pre-gain	Bass	Mids	Treble	Master Volume
B45C	Marshall® 45 watt plexi clean	Pre-gain	Bass	Mids	Treble	Master Volume
BR45	Marshall® 45 watt plexi dirty	Pre-gain	Bass	Mids	Treble	Master Volume
HWAC	Hiwatt® clean	Pre-gain	Bass	Mids	Treble	Master Volume
HWAT	Hiwatt® dirty	Pre-gain	Bass	Mids	Treble	Master Volume
B30C	Vox® AC30 clean	Pre-gain	Bass	Mids	Treble	Master Volume
BR30	Vox® AC30 dirty	Pre-gain	Bass	Mids	Treble	Master Volume
MTCC	Matchless® DC-30 clean	Pre-gain	Bass	Mids	Treble	Master Volume
MTCH	Matchless® DC-30 dirty	Pre-gain	Bass	Mids	Treble	Master Volume
13CL	/13 FTR-37clean	Pre-gain	Bass	Mids	Treble	Master Volume
D13D	/13 FTR-37dirty	Pre-gain	Bass	Mids	Treble	Master Volume
BCTC	Bad Cat® Hot Cat clean	Pre-gain	Bass	Mids	Treble	Master Volume
BCAT	Bad Cat® Hot Cat dirty	Pre-gain	Bass	Mids	Treble	Master Volume
SOLC	Soldano® SLO100 clean	Pre-gain	Bass	Mids	Treble	Master Volume
SOLC	Soldano® SLO100 dirty	Pre-gain	Bass	Mids	Treble	Master Volume
ECLN	Bogner Extacy clean	Pre-gain	Bass	Mids	Treble	Master Volume
ESCY	Bogner Extacy dirty	Pre-gain	Bass	Mids	Treble	Master Volume
UBCL	Bogner Uberschall clean	Pre-gain	Bass	Mids	Treble	Master Volume
UBER	Bogner Uberschall dirty	Pre-gain	Bass	Mids	Treble	Master Volume
DZLC	Diezel DL-4 clean	Pre-gain	Bass	Mids	Treble	Master Volume
DZLC	Diezel DL-4 dirty	Pre-gain	Bass	Mids	Treble	Master Volume
DRCC	Mesa Boogie® Dual Rectifier® Clean	Pre-gain	Bass	Mids	Treble	Master Volume
DREC	Mesa Boogie® Dual Rectifier® Dirty	Pre-gain	Bass	Mids	Treble	Master Volume
BSMC	Fender® Bassman® clean	Pre-gain	Bass	Mids	Treble	Master Volume
BSMN	Fender® Bassman® dirty	Pre-gain	Bass	Mids	Treble	Master Volume
PRRC	Fender® Princeton® clean	Pre-gain	Bass	Mids	Treble	Master Volume
PRNC	Fender® Princeton® dirty	Pre-gain	Bass	Mids	Treble	Master Volume
TWNC	Fender® Twin® clean	Pre-gain	Bass	Mids	Treble	Master Volume
TWN	Fender® Twin® dirty	Pre-gain	Bass	Mids	Treble	Master Volume
DLXC	Fender® Deluxe® clean	Pre-gain	Bass	Mids	Treble	Master Volume
DLX	Fender® Deluxe® dirty	Pre-gain	Bass	Mids	Treble	Master Volume
SPCL	Supro® 88T clean	Pre-gain	Bass	Mids	Treble	Master Volume
SPRO	Supro® 88T dirty	Pre-gain	Bass	Mids	Treble	Master Volume

	EFFECTS					
CHORUS		speed	width	feedback	tone	
FLANGER		color	range	rate	hold	
PHASER		rate	depth	tone	volume	
EN-FILT	**Envelope filter**	response	range	sweep	threshold	
TREMOLO		rate	intensity	waveform		
OCTAVER		dry	octave			
PITCH		pitch	level	mix		
REVERSE		speed	feedback	mix		
ROTARY		hi	lo	depth	tone	acceleration
SLAPBACK		delay	feedback	tone		
	INSTRUMENTS					
FATA	**Fat acoustic**	body	string			
CLSA	**Classical guitar**	body	string			
12STR	**12 string acoustic**	body	string	ambience	bright	octave
7STR	**7 string**	body	string			
BARI	**Baritone**	body	string			
BASS	**Bass**	body	string			
DCOIL	**De-coil**	intensity				
RCOIL	**Re-coil**	intensity				
DBLR	**Doubler**	space	drift			
RESO	**Resonator guitar**	body	string			
SITAR	**Sitar**	body	string	bright	release	pitch
EVIOL	**Electric violin**	body	string			
SYNTH	**Synth**	attack	glide			
	STOMP BOXES					
DCMP	**Compressor**	sensitivity	output			
AC-BOOST	**Treble booster**	gain	treble	bass	volume	
TBSC	**Overdrive**	drive	tone	level		
WYLDE	**Overdrive**	gain	tone	output		
MUFF	**Fuzz 1**	sustain	tone	volume		
FUZZ	**Fuzz 2**	fuzz	tone	volume		
RAT	**Fuzz 3**	distortion	tone	volume		
AUTO-WAH	**Auto-wah**	sensitivity	resonance	decay	frequency	
SLICE	**Slicer**	speed	width			
SWELL	**Swell pedal**	attack	sensitivity			
MOG	**Monophonic octave generator**	dry	octave			
CE-1	**Chorus**	rate	depth	tone	level	
MXRF	**Flanger**	manual	width	speed	regeneration	
PHASE 90	**Phaser**	speed				
rmod	**Ring Modulator**	wave	frequency	width	rate	blend
	DELAYS					
ANALOG		time shift	level	feedback	tone	
DIGITAL		time shift	level	feedback	tone	
MODULATION		time shift	level	feedback	rate	depth
MULTI-TAP		time shift	level	feedback	tap1 position	tap 2 position
TAPE		time shift	level	feedback	tone	noise
TUBE		time shift	level	feedback	tone	drive
	REVERBS					
CATHEDRIAL					room size	level
GATED			threshold	hold time	room size	level
HALL					room size	level
PLATE					room size	level
ROOM					room size	level
SPRING					room size	level
TILE					room size	level

VYPYR® SANPERA® PRO
Footcontroller for VYPYR PRO
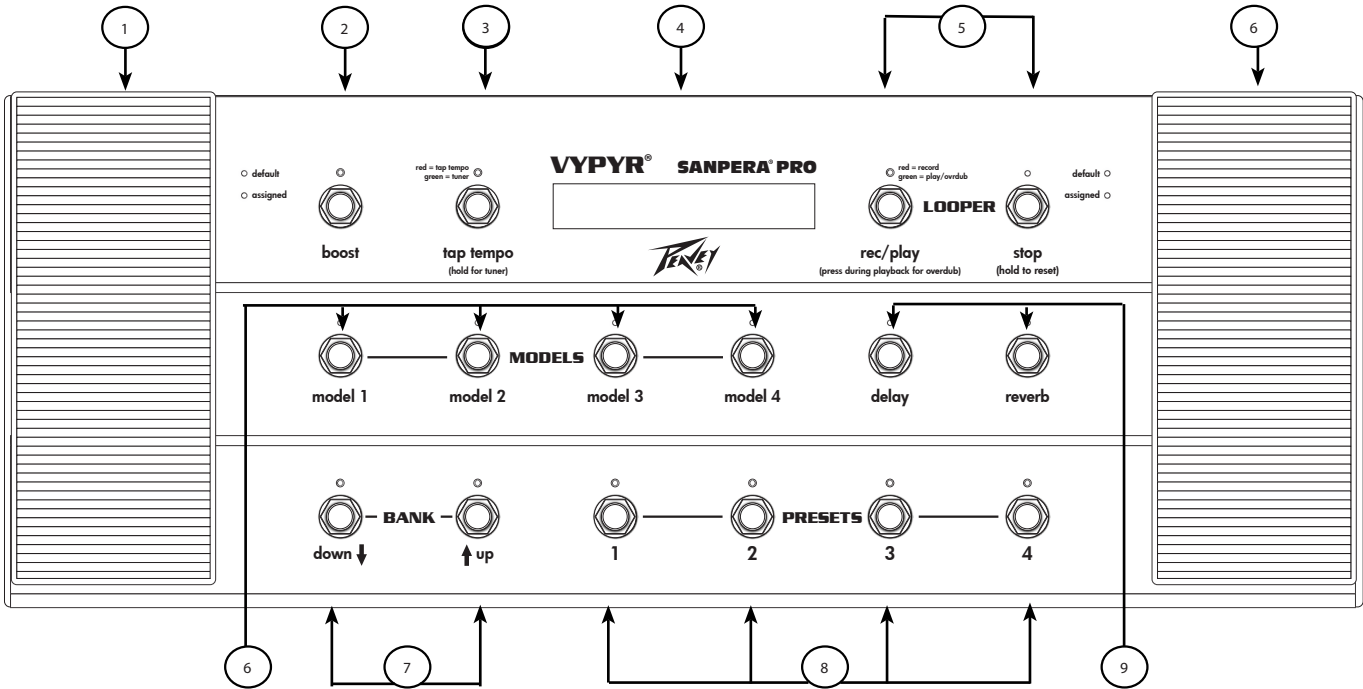
Operating
Manual

Vypyr® Sanpera® Pro

Footcontroller for Vypyr Pro Series Amplifier

Featuring direct access to all 4 model locations, plus delay and reverb, the Sanpera Pro unlocks all the power of your Vypyr Pro. The dual expression pedals can be assigned to either the default setting (volume on left, wah on right) or assigned to an alternate effect, for instance pitch control, or rotary speaker speed. There are also looper controls that will allow you to create multi-track loops. The Sanpera Pro also includes a boost switch, tap tempo and access to the chromatic tuner.

KEY FEATURES:

• 2 fully programmable expression pedals

• Direct access to Volume and Wah pedals

• Direct access to all 4 models, plus delay and reverb

• Boost switch

• Tap Tempo

• Chromatic tuner

• Full looper controls

• Presets arranged in banks of 4, up to 500 presets!

• Self powered via Vypyr amplifier

• MIDI output for connecting to AT200-B Breakout box (for controlling the AT-200 guitar)

VYPYR® SANPERA® PRO

LOOPER

boost — tap tempo (hold for tuner) — rec/play (press during playback for overdub) — stop (hold to reset)

MODELS

model 1 — model 2 — model 3 — model 4 — delay — reverb

BANK — down ↓ — ↑ up — PRESETS — 1 — 2 — 3 — 4

1. **Left Expression Pedal**
The default setting for this pedal is for a volume control, but it can be programmed to control any parameter.

2. **Boost Switch**
Provides a clean boost to the instrument signal path.

3. **Tap Tempo**
Tapping this switch will allow you to set the tempo of the delay effect. Holding the switch down will activate the onboard tuner.

4. **LCD Display**
Displays information about the presets and other parameters.

5. **Looper Controls**
These two switches allow for recording, playback and overdubbing through the onboard looper. A complete description of the Looper feature can be found on page 24.

6. **Right Expression Pedal**
The default setting for this pedal is for Wah, but it can be programmed to control multiple parameters.

7. **Model Selectors**
These four switches allow you to select one of four models within the Preset.

8. **Bank Selectors**
These two switches allow you to scroll through the Vypyr Pro's Preset Banks.

9. **Preset Selectors**
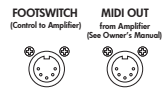These selectors allow easy access to your favorite presets.

10 **Delay and Reverb Engage Switches**
These switches turn the delay and reverb effects of the VYPYR PRO on and off.

Rear Panel

A PRODUCT OF PEAVEY
ELECTRONICS CORPORATION

DESIGNED AND ENGINEERED IN U.S.A.
MADE IN CHINA

FC

FOOTSWITCH
(Control to Amplifier)

MIDI OUT
from Amplifier
(See Owner's Manual)

11

11 **Footswitch MIDI Connectors**

*Footswitch (Control to Amplifier)– connects the Sanpera to the VYPYR Amplifier

*MIDI OUT– connects to any device that accepts program change messages.

The Sanpera Pro unlocks the Vypyr Pro's looper, which features unlimited overdubs! There's so much you can do with the looper, so give it a try and have fun.

To start a loop, press down on the REC/PLAY button and hold it. The recording starts and stops when you lift your foot off the button. This is far more accurate than starting the recording when you press down.   The looper lasts 30 seconds which is usually enough time for a phrase. When you are ready to end the loop recording, press down on the switch. Again, the recording will stop and playback will immediately begin when you lift UP on the switch.

Now, you have choices! Either you can play along with your recorded phrase, stop the playback, or begin adding to it. Pressing STOP will end the playback, pressing REC/PLAY will start it again. If you want to add to the phrase, you can just press REC/PLAY again to begin recording an overdub. NOTE: You are only recording to the looper with the LED above the REC/PLAY button is lit RED. When that LED is lit green, then you in PLAYBACK mode and not recording anything.   The LED above the STOP button indicates if there is a loop in memory. Holding down the STOP button will erase the loop so that you can start over.

With the Vypyr Pro's looper, you can erase the last loop you created if you are unhappy with it. However, because of how the looper works, you must erase the last loop BEFORE it goes through an entire playback cycle. In other words, if you record an overdub, then press the REC/PLAY button to end the recording and continue playback, you have until the loop plays all the way through to erase the last loop. To do this, you must press the REC/PLAY and STOP buttons at the same time. If the loop starts over, then it commits the last loop to memory and it cannot be erased.

There is no limit to the number of overdubs that you can add!

A key feature to use with the looper is the LOOPER VOLUME (page 19, OUTPUT MENU, P2). Each time you record a loop, it will record it at the level specified in that preset. This is so you can plan ahead for a performance situation and commit to the looper each part at the level you desire.

HAVE FUN!!

www.peavey.com

Warranty registration and information for U.S. customers available online at
www.peavey.com/warranty
or use the QR tag below