

Dynamis

D40

Owner's Manual

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We are a small company out of Winnipeg, Canada. Years ago, I set out to make an amplifier that delivers the sound guitarists need that isn't in other amps, one that is extremely versatile in the tone and application. Luckily, when other musicians played my early prototypes, they agreed! The tone was fresh, unique and they all needed an amp for themselves! I quickly built a team of people as passionate about guitar as I am, and Revv was born. To be honest, it grew bigger and faster than I had ever hoped...

It has since been a long hard journey being a small business filled with long nights and people who didn't believe in us. After endless tweaking and customer feedback, I'm at a place where I know we are building the best-sounding, durable, and most versatile amps that we can. It's incredible hearing the kind words of amazing guitar players using Revv around the world, and we are just getting started.

Thank you for believing in us and making this possible. Nothing makes this journey more fulfilling than seeing musicians using what we've built to make music. That is what this is all about, making music. Because we are still a small business, every little bit helps, and we would appreciate you sharing pictures of your Revv gear on social media, using it to perform your music, or simply telling a friend about it. Thank you for your support and for making music.



Dan Trudeau
President & Designer

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WARRANTY & REGISTRATION

This Revv Amplification Inc. product is warranted against manufacturing defects in material and workmanship for a period of two (2) years from the date of purchase to the original owner. Tubes and fuses will be warranted for ninety (90) days from the date of purchase of the product to the original owner and all input jacks, connectors, and control switches will be warranted for one (1) year. The warranty starts on the date of purchase by the original owner. This warranty is subject to the obligations and exclusions listed below.

OBLIGATIONS:

This warranty will be honored with original proof of purchase to the original owner only. Warranty work must be authorized by Revv Amplification Inc. in advance. All freight and duty (if applicable) are to be prepaid to and from Revv Amplification Inc. of all products that require and have been approved for warranty work. Revv Amplification Inc. is not liable for any freight and or duty (if applicable) charges.

EXCLUSIONS:

A product that has been altered or is missing serial numbers will not be covered. Items that were damaged while being shipped to or from Revv Amplification Inc. will not be covered by this warranty. This warranty shall not apply to repair or replacements necessitated by any cause beyond the control of Revv Amplification Inc. including, but not limited to, any malfunction, defects, or failure caused by or resulting from unauthorized service or parts, damaged or broken tubes, improper maintenance, incorrect line voltages, liquid damages, modification or repair by the user, misuse, abuse, accident, neglect, or fire. Revv Amplification Inc. does not authorize any party to assume for it any other obligation or liability. In no event shall Revv Amplification Inc. be liable for any damages arising from the use of this product, or for any delay in the performance of this warranty due to causes beyond our control.

REGISTRATION:

Please fill out the form on the website below within the next 30 days to claim your warranty. Revv Amplification will repair or replace; defective workmanship or materials at its discretion on all new Revv Amplification products purchased directly or through authorized dealers for one year from the day of purchase. This warranty does not cover shipping costs, product appearance, or damages caused by accident, abuse, alteration, or misuse. No other warranty is expressed or implied. www.revvamplification/Warranty

SAFETY & WARNINGS

Please read, understand and follow all safety instructions in this manual, as well as those on the rear panel of the amplifier. These instructions and warnings must be followed for your safety, and also to ensure that the amplifier will serve you for many years. Please use common sense when operating, this is a professional instrument designed for electric guitar amplification, and should only be used with electric guitar signals.

- Do not operate or store this amplifier in a damp or wet environment.
- Do not keep items that contain liquid of any kind near or on the amplifier.
- Allow for 4-6 inches of space around the unit when operating. This unit produces heat and should be kept away from flammable items/objects.
- Do not expose the amplifier to high temperature. Keep the amplifier away from radiators or any other items or equipment that supplies or produces heat.
- Be sure to connect to an AC power supply that meets the power supply specifications listed on the rear of the unit.
- Do not use an AC power cord that is damaged, has been pinched or is missing prongs.
- This amplifier must be properly grounded to local standards when being operated. Do not use 2 pole extension or power cords to supply power to this amplifier.
- Remove the AC power cord from the amplifier when changing tubes, fuses or when moving the amplifier. Always replace fuses with the correct type and rating. Always remove AC power cord when removing chassis.
- The AC power cord should be removed from the outlet when left unused for long periods or when there is risk of electrical storms.
- No user serviceable parts inside, all service should be done by qualified personnel only.
- Always make certain the proper load is connected to the amplifier before operating (See Section "Two-notes Torpedo-embedded"). Always make connections to the amplifier with the power off.
- Your amplifier is designed to produce high volume/sound pressure levels. Long term exposure to these levels can damage your hearing. Please use hearing protection when exposed to these levels for extended periods to prevent loss of hearing or hearing damage.
- Keep away from children.

SETUP & POWER UP

It is very important to place the amplifier in a dry location that provides 4-6" of space between the rear of the amplifier and anything in the area that is designated for the amplifier. Tubes produce heat; anything flammable should be kept away from amplifier tubes. Please check the tubes, and make sure they are all seated in their sockets. Look good? We are ready to move on!

First, ensure the power and standby switches are in the off (down) positions. On the back of the amplifier, confirm your D40 is safely connected to a load by connecting either the D40 internal speaker cable to the Speaker Jack or an external speaker cabinet to the Ext Cabinet Jack and selecting the correct impedance of the external speaker via the push button. Alternatively, you can choose the internal load on the Front Panel push button (In=internal load); for more information, refer to Section "Two-notes Torpedo-Embedded" Page 14. Once the speaker load is secured, connect the AC power cord to the amplifier Mains connector on the rear of the amplifier and then to an AC outlet. Finally, connect any remaining peripherals:

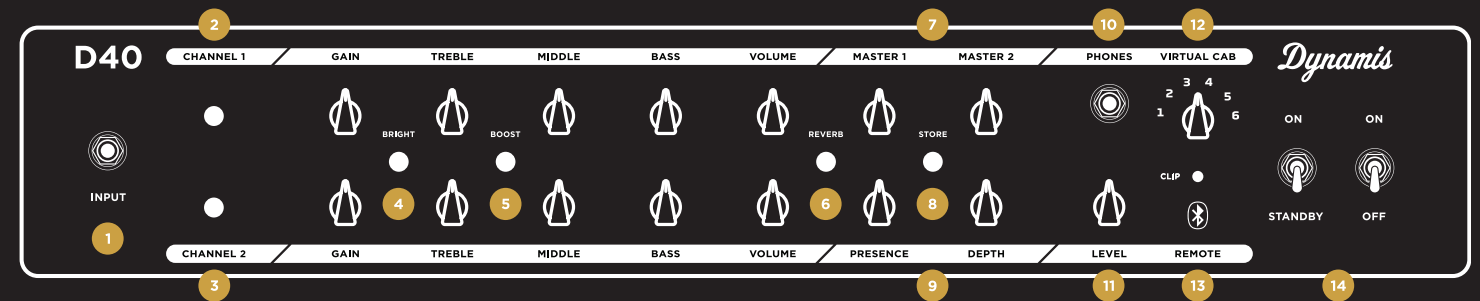
- FX Loop Connections
- Guitar, Pedalboard, & Shielded Cable
- MIDI
- XLR
- USB
- Revv Cabinet Lighting
- Headphones
- Revv Foot Controller

Note: Use a high-quality shielded instrument cable for guitar input and FX loop connections to prevent unwanted noise. Remember that instrument cables can sometimes impact the guitar's signal quality, and trying varying cable lengths can help achieve the desired sound.

Once all speaker load and peripheral connections are secured, move the power switch to the On position and give the tubes at least one minute to warm up. Now it is time to begin setting all controls while we wait. We recommend setting the master volume and gain controls to the lowest setting or zero (fully counterclockwise) and all treble, mid, and bass controls to the 12 o'clock positions to begin. Set the standby switch to the ON (up) position, and you are ready to start exploring!

Note: Upon power-up, you may notice that the LED clipping indicator illuminates solid red. This is the startup sequence of the amplifier.

FRONT PANEL



INPUT 1

1/4" Instrument cable input.

CHANNEL 1 (CLEAN) 2

Selected by: 1. Pushing the designated front panel button, 2. Foot switch button #1 or a foot switch preset mode setting, 3. MIDI & CC commands. Passive treble, middle, & bass controls with a wide range. Small turns equal large tonal change,

CHANNEL 2 (CRUNCH) 3

Selected by: 1. Pushing the designated front panel button, 2. Footswitch button #2 or a footswitch preset mode setting, 3. MIDI & CC commands. Passive treble, middle, & bass controls with a wide range. Small turns equal large tonal change,

BRIGHT BUTTON 4

This button allows you to achieve a brighter or warmer, crunch/dirt tone without compromising the full range of your treble knob. This is also useful when using gain pedals that are picky about which amp they are boosting,

BOOST BUTTON 5

The boost push button is also shared between the two channels. When activated, it will produce a bolder, more robust tone. This function adds gain and boosts all frequencies. It's another great way to shape your sound, as you can use this function with MIDI or presets on your foot control.

REVERB BUTTON 6

The reverb on the amplifier is toggled on and off with the reverb button (MIDI control is also available). When the LED is illuminated, reverb is inserted into the guitar signal. The two channels share this button, but they can be set independently of one another.

The reverb level control on the rear of the amplifier is then set according to the amount of reverb desired, and the decay control next to it will then set how long it takes to have the reflections fade out. These powerful controls allow you to shape your reverb sound in many different ways!

MASTER VOLUME CONTROLS 7

The D40 is equipped with 2 MIDI & Foot-Switchable/programmable master volume controls. These controls come right after the effects loop & also work as the FX loop return signal control. These controls can be toggled from one to the other for complete volume control. The controls can be toggled via the foot switch button #4 (or programmed bank) or via MIDI.

STORE BUTTON 8

The store switch on the amplifier is important and serves many purposes, from MIDI settings to save channel settings. This is all covered in different parts of the manual depending on what you are looking to accomplish.

DEPTH & PRESENCE 9

The Depth control is a bass control & will add some low end to the output. This control will be subtle in certain settings but more pronounced in others. For example, very low gain settings will only provide subtle results. Whereas higher channel gain settings will result in a more pronounced depth control range.

The Presence control has a great range of use! This control can be very powerful when brightening up the amp and adding amazing cut!

HEADPHONE JACK 10

The Headphone Jack output lets you use the amplifier with any selected virtual cabinet settings through your headphones directly from the Two-notes Torpedo-embedded. Use headphones & engage the internal reactive load to inspire silent playing. Please note for your safety that both the Volume Control & the following Output Level Control both affect headphone volume.

Note: The power delivered by the headphone output is high enough to remain efficient even when using high-impedance headphones. Therefore, getting very high audio levels with that output is possible. We strongly advise against the use of headphones with high audio levels. The improper use of headphones can lead to irreversible damage to your hearing.

OUTPUT LEVEL & CLIP LED 11

The Output Level knob controls the master volume of the Two-notes Torpedo-embedded, which uses the direct-XLR-out on the rear of the amplifier and the headphone jack. If you see the Clip Warning LED illuminate, you must turn the Output Level down to avoid undesirable, harsh digital clipping.

VIRTUAL CABINET CONTROL 12

This 6-position control will switch through the first six presets of the Two-notes DynIR library saved to your D40. Included on your amplifier by default are 6 Revv DynIR presets created by Shawn Tubbs. You can change the DynIR's and all of their options by using Two-notes Remote software, connected via USB on the rear of the amplifier. Up to 128 presets can be saved via MIDI.

Note: See *Torpedo Remote & Active Load Section on Page 15* for more information.

BLUETOOTH REMOTE 13

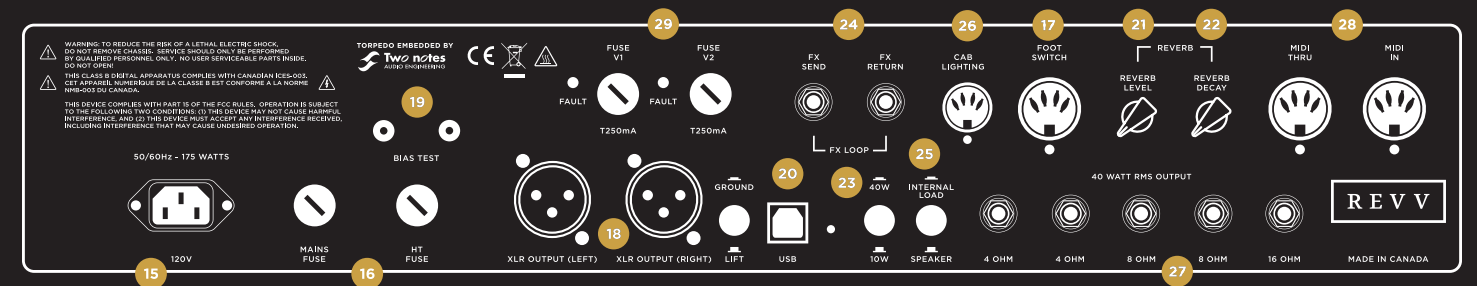
Your amplifier utilizes Bluetooth technology to access the two notes technology for on the fly changes via Two-notes Remote app.

STANDBY & POWER SWITCH 14

First, turn on the power switch and wait a minute for the tubes to warm up. Turn the standby switch to the on position once you are ready to play.

Note: NEVER power up the amplifier without the proper speaker load connected or the reactive load switch engage.

BACK PANEL



MAIN POWER CONNECTION 15

When plugging the amplifier into the mains A/C wall receptacle, always make sure the amplifier power and standby switches are in the off position. The Required voltage and fuse ratings are marked on the amplifier underneath the mains input. Verify they are correct for your electrical mains supply before plugging it in.

The mains input is a 2-part assembly on the D40; not only will it allow you to plug the amplifier power cable into it, but the main fuse is also a part of the assembly. Should the fuse ever blow on the amplifier, you will also find the fuse in this assembly. A spare fuse compartment is built-in to keep a spare fuse with you. The fuse type is marked on the rear of the amplifier.

MAINS & HT FUSES 16

The HT fuse is in place to protect you and the amplifier from overload conditions. Always replace them with the same type and rating only! Always unplug the amplifier from the mains before replacing the fuses. Fuse requirements are marked on the rear panel of the amplifier. Mains Fuse: 100V: T4A, 120V: T4A, 220V - 230V - 240V: T2.5A

FOOT SWITCH JACK 17

This connection powers your foot switch and allows it to control the D40. Should the provided foot switch cable fail, any 5 PIN DIN cable can be used. For use only with the included Revv D40 foot switch.

Note: This cable sends important data between the amplifier and the foot switch. If a lesser quality 5 PIN DIN cable is used, incorrect or erratic behavior could occur. A high-quality cable is recommended, which can be purchased on the Revv website should you need a replacement.

XLR OUTPUT & GROUND LIFT 18

In the rear of the amplifier is a direct output from the embedded Two-notes Torpedo and not direct from the tube amplifier output itself. The purpose of this output is to be used with audio interfaces to exclude the use of an actual speaker cabinet, using virtual cabinets instead.

Note: The reverb or other effects that the Two-notes Torpedo provides will only be available through the output at the headphone or XLR jack and not a real cabinet. The speaker output will always behave normally.

The speaker output will always behave normally. As an added bonus, some users will find this useful for “wet/dry” setups in which they send a signal that utilizes reverb to FOH (front of house), while playing through a dry speaker.

The Ground Lift switch should be set to ground (pushed in) for best results. However, if this produces a buzz or hum because of ground loops between the amplifier and the audio interface, press the ground lift switch to eliminate noise.

Note: The level control under the headphone jack controls your output level/volume to the XLR outputs. The clip LED will illuminate if the signal is set too high.

BIAS TEST POINTS 19

This amplifier is designed to allow the user to set the bias of the power tubes without removing the chassis from the head shell. The power tube bias for the pair of tubes needs to be set according to the tubes being used. Always use a matched pair of power tubes in your amplifier. (See Section “Tubes & Bias” Page 11 for more information)

USB-B JACK 20

The USB Jack will connect your computer via the provided USB cable to your D40 to use Two-notes Remote software, which can be used for deep editing of presets, creating new ones from scratch, or loading third-party Impulse Responses!

REVERB LEVEL CONTROL 21

The reverb level control increases the intensity of the reverb effect in your sound when the reverb switch on the front panel is activated. Turn the knob clockwise to increase reverb and counterclockwise to decrease the Effect.

REVERB DECAY CONTROL 22

The reverb decay control will set the amount of reflections from the reverb circuit. Increase the number of reflections and the amount of time it takes to fade out by turning the control clockwise. Turn the knob counterclockwise to reduce this effect.

WATTAGE SWITCH 23

This latching push switch sets the overall power output of the amplifier between 10 watts and 40 watts.

FX LOOP SEND & RETURN JACKS 24

The D40 features a high-quality buffered, instrument-level, FX loop. The send and return jacks connect to any pedals or effect units you may want to use with the amplifier.

Let’s go through it step by step, just in case you have never used an effects loop and don’t know how to hook it up.

The send jack will need to be connected to the input Jack on your effects unit. The output jack on the effects unit (or last pedal in your chain, if you are connecting multiple effects in series in the loop) will then connect back to the return jack on the amp.

Your effect is now part of the signal chain, verify that your levels are set accordingly to the effect, so you have a strong signal being sent to the amplifier, then adjust the volume control on the amplifier to your requirements.

INTERNAL LOAD SWITCH 25

This latching push switch engages the internal load or allows a real speaker cab to be used when set accordingly. If there are no speaker cabs connected to the speaker jacks on the amplifier, the internal load will be engaged automatically.

CABINET LIGHTING 26

The cabinet lighting jack on the rear of the amplifier is used to connect the amp to Revv speaker cabinets. Because the Revv badge on our cabinets lights up, you can illuminate the cab badge with this jack. Simply use the 4 pin Din cable provided with all Revv cabinets and connect the amplifier to the cab lighting connector on the cabinet.

IMPEDANCE & SPEAKER JACKS 27

The amplifier must always be connected to a speaker cabinet or load when it is powered up and set to have the internal load disengaged.

This amplifier can be used with cabinets that provide a load of 4, 8 & 16 ohms. Because the amplifier provides a number of speaker jacks with different impedance options, it can also power 2 cabinets directly from the amplifier.

The speaker jacks must be used correctly for the impedance to be matched between your amp and the cabinets being connected.

Most setups are simple, one cabinet plugged into the amp, select the impedance to that marked on the cabinet & you’re ready to go!

However, when it comes to adding more cabinets to the rig, more care must be taken to prevent damage. Most rigs will not utilize more than 2 cabinets, so we won’t go beyond 2 cabinets here.

Selects between 4 & 8 ohm impedance. This should be set to 4 ohms for normal operation with D40’s combo speaker.

Some examples:

- 2 - 8 ohm cabinets would be plugged into the two 4 ohm speaker jacks (one per 8 ohm cab) located on the back of the amplifier.
- 2 - 16 ohm cabinets would be plugged into the two 8 ohm speaker jacks (one per 16 ohm cab) located on the back of the amplifier.
- 2 - 4 ohm cabinets cannot be run in parallel with this amplifier. This will cause damage.

Note: No damage will result when running the amplifier set at a lower impedance (Ex: 4 ohms) into a cabinet rated at a higher impedance (Ex: 8 Ohms). However the opposite will cause damage to the output transformer or other components & it is suggested that the amplifier never be run into a lower load.

MIDI CONNECTION 28

The MIDI IN connection is for external equipment connections when your rig necessitates control of your Revv with third-party gear.

The MIDI through jack allows for the connection of additional MIDI devices in your signal chain, in addition to your Revv.

Note: See “MIDI” on page 13 for more information.

POWER TUBE FAULT FUSES 29

The power tubes each have their own fuse. Should a power tube fail, the fuse will blow & take the tube out of service. This has the benefit of protecting the amplifier, but will result in a loss of normal operation.

TUBES & BIASING

POWER TUBES 30

The D40 is designed around 6L6 and EL34 tubes, but will accept many octal tubes (EXCLUDING 6V6) & gladly display their tonal characteristics.

PREAMP TUBES 31

The D40 uses 12AX7 (ECC83) preamp tubes in the preamp of your amplifier. Preamp tubes do not need to be biased & usually have a long life unlike power tubes, but a preamp tube can become faulty at any stage of its rated lifespan.

POWER TUBE BIAS 32

You will need a voltmeter or digital multimeter set to the lowest DC voltage range. (Make sure you refer to the meter's user manual).

1. Remove the rear baffle cover from the rear of the amplifier. If you are replacing tubes, do so now with the power off & the amplifier unplugged from the main power receptacle. Place the new tubes in the correct socket positions.
2. Turn the trimmer down by turning the trim pot with a small screwdriver in the counterclockwise direction. You can access the trim pot through the small hole in the top of the chassis close to the power transformer. If any fuses had blown, make sure to replace them as well.
3. Now plug the amplifier into the main power receptacle, unplug any guitar cables from the inputs & turn on the main power. Let the tubes warm up for one minute.
4. Turn down the master volume controls to zero & turn on standby to the ON position.

5. Verify that none of the tube fault LEDs are on. If they are, power down the amplifier, remove the plug from the main power receptacle & replace the faulty fuse & return to step 3. If everything checks out, move on to the next steps of setting the bias. If it is still blowing fuses, a tube is at fault. Try a different pair.

SETTING THE BIAS 33

1. Place the black lead from your meter into the black bias test point on the amplifier & the red lead into the red bias test point.
2. Refer to the chart below for bias set points for the tubes being used & slowly turn the trimmer in the clockwise direction until the value is reached.
3. Now let the amplifier sit powered for 5 minutes. We want the tubes to reach their maximum operating temperature. Keep an eye on the bias reading during this time.
5. Once the bias is set at the required settings, return the chassis into the headshell if removed and rear baffle panel to the rear of the amp & fasten it with the screws you removed. You are done!

BIAS CHART 34

Type	Recommended set point	Safe Range
KT88	95mV	90mV to 100mV
EL34	70mV	60mV to 80mV
6L6GC	85mV	80mV to 90mV

MIDI

SETUP 35

Versatile & optional MIDI control helps Revv amps seamlessly integrate into any rig. The amplifier will store up to 128 programs for program change commands as well as accept Continuous Controller (CC) commands to control functions directly. The amplifier also features OMNI mode to allow control options on 16 channels, & phantom power to power control devices.

What does that mean?

1. You can set up "presets" of switch positions on the amp to recall quickly. (this could be used for clean, crunch, rhythm, & lead, for example).
2. You can simply control anything's on/off state (FX loop for example).
3. You can do a combination of both of those things.
4. You can do this with a computer for automatic changes during songs, a MIDI floor control unit instead of our footswitch, a loop switcher with midi to control pedals as part of the "presets," a multi-effects unit with MIDI control, & more.
5. You can do this with just our footswitch, or not at all if you choose. External equipment just becomes more beneficial when integrating your Revv with additional pieces of a rig such as effects units.

OMNI MODE 36

OMNI mode off will allow the amplifier to be controlled via a designated channel (1-16), & OMNI mode on will allow the amplifier to respond to commands on any channel. If other equipment is being used in a MIDI system, it is desirable to set each piece of equipment to separate channels. However if the amplifier is the only piece of gear being controlled via MIDI, then setting it to a specific channel is not required and using the OMNI mode setting becomes preferable.

To toggle OMNI mode on or off:

1. Make sure the power switch is in the off position.
2. Press and hold the reverb and store buttons together.
3. With the reverb and store push buttons being held together, turn on the power switch.
4. If the buttons were held correctly, then the CH1, Ch2, Boost and Bright buttons will illuminate.
5. Release the Reverb and Store buttons once the CH1, CH2, Boost and Bright Buttons Illuminate.
6. Press the CH2 button to select OMNI mode.

You have now toggled the OMNI mode setting. The amplifier will restart automatically with the new setting. If you experience any issues, cycle the main power

Note: The reverb LED will flash 3 times when it turns OMNI mode on, & 4 times when it turns OMNI mode off.

MIDI CHANNEL SETTING 37

This amplifier can either automatically or manually change the 16 MIDI channels you would like it to respond to. The channel change is stored in memory & only needs to be done when you need the amp to respond on a certain channel.

1. To set the MIDI channel: With the power off, press & hold the store button then turn on the power switch. The amp will power up & begin to flash all 4 channel LEDs. Once this happens it is awaiting the channel data to be received from the external equipment (Automatic) or to be set manually.
- 2a. To set the channel automatically: (recommended) With your external equipment ready (pedals, computers, etc.) & set to the channel you want the amplifier to be controlled from via MIDI, send a command to the amplifier by pressing a program change button or CC command on your external equipment. Once the amplifier receives the data, it will verify the channel it received & save it to memory. Easy!

2b. To set the channel manually: Once step 1 has been completed above & the channel LEDs are flashing, press the CH1 CLEAN button. The CH1 LED will flash & the other Channel LEDs will turn off, this signifies that MIDI channel 1 has been selected.

Simply continue to press the CH 1 button to get to the channel you desire. As you press the button you will notice the other Channel LEDs turn on as you increase the MIDI channel number. Once you reach the channel you desire, press the STORE button to save it to memory.

Note: *There are only 4 channel LED, so the MIDI channel count will be done in values of 4. MIDI channel 1 will be signified by CH1 CLEAN LED flashing, & as you increase in number, MIDI channel 4 will be signified by all four channel LEDs flashing, but once MIDI channel 5 is selected, only the CH1 CLEAN LED will flash again. Every time you reach MIDI channel 5, 9, or 13, the LED cycle will once again start from the CH1 CLEAN LED. So keep count as you select the channel you desire. If you go past MIDI channel 16, the count will start at channel 1 again. Once saved to memory, the Channel LEDs will flash very quickly several times to verify the change has been made & completed.*

MIDI PROGRAM CHANGE 38

This amplifier can remember up to 128 program settings of the MIDI controllable functions. To set a program (i.e. amplifier configuration) to be controlled via MIDI:

1. Set the amplifier to the configuration you intend to save to a program number. (Ex: Ch: 2, Boost On, Bright ON, Master Volume: 2, FX Loop: OFF, etc)
2. Once the amplifier is configured as you would like, press the store button. The Store LED will flash & the amplifier will wait now for a command through its MIDI IN jack.
3. Send a program change command from your MIDI Pedal or other equipment with the correct channel & program number you intend to have the amplifier. save the current configuration to.
4. Once the command is received, the amplifier will save the current amp configuration to that program number. The Store LED will flash 3 times & turn off

verifying that the command has been received & Saved.

Now, anytime you send that program number to the amplifier from your MIDI pedal or other external equipment, the amplifier will switch to that saved configuration. This will allow for any configuration of your settings to be recalled with any MIDI device.

MIDI CONTROLLABLE FUNCTIONS 39

The amplifier functions that can be controlled via MIDI are as follows:

CHANNEL SELECTION (1-2)
Boost (All Channels)
Bright function (All Channels)
FX Loop in/out
Master Volume 1 & 2
Reverb On or Off
TWO NOTES EMBEDDED FUNCTIONS
Reverb
Noise Gate
Twin Tracker
EQ L
EQ R
MUTE

These functions can be set & controlled in a MIDI program change setting, where one program change command will call up a configuration of the above settings, or continuous controller commands, where a CC command will switch any one of the functions listed above, independent from any of the others. The CC command functions are great for things like instant access buttons on foot pedals etc.

CONTINUOUS CONTROLLER (CC) 40

To use CC commands, the amplifier Functions have all been given a designated number & on or off setting. When using & selecting a function the number associated with the function must be used & then the setting of the function (on or off) must also be sent. Most MIDI equipment (pedals etc) allows you to select a CC number & then designate whether it be turned to on or off. (Consult the external equipment instruction manual).

The following commands & their CC numbers need only be sent an ON command (0-63) as they are used to switch between channels which cannot be turned off, only changed to a different channel or level, on & off commands sent will produce the same result.

Function	CC Number Hex value)
Ch. 1	13 - (0x0D)
Ch. 1 Boost	14 - (0x0E)
Ch. 2	15 - (0x0F)
Ch. 2 Boost	16 - (0x10)

The following commands control functions that are turned on & off. These functions require an off (0-63) & on (64-127) command (byte) to be sent with the CC number to either turn them on or off.

If you are trying to use them & are not getting them to respond, chances are you are sending the wrong command byte (0-63 is OFF & 64-127 is ON).

(Consult the Peripheral's instruction manual)

Function	Value	
	Hex	Decimal
Masters	(0x1B)	27
Bright	(0x1D)	29
Reverb	(0x1F)	31
FX Loop	(0x23)	35
Two Notes Reverb	(0x25)	37
Two Notes Noise Gate	(0x26)	38
Two Notes Twin Tracker	(0x27)	39
Two Notes EQ L	(0x28)	40
Two Notes EQ R	(0x29)	41
Two Notes Mute	(0x2A)	42

TORPEDO REMOTE & REACTIVE LOAD

The amplifier can be connected to Two notes Remote software to manipulate all available settings and change the presets found on the front knob of the amplifier.

This is via the USB port. You can find the Remote Software for the amplifier here: <https://www.two-notes.com/downloads>

Once you connect to the computer using the provided USB cable, your computer will start recognizing the amplifier. This may take a couple of minutes. Once this is complete, simply open the Remote Software and the amp will connect. Once connected, you can tweak all available Torpedo Embedded settings to your preferences!

Note: If you are new to studio practices such as mic placement, the difference in tonalities between different speakers and more Two notes has a wealth of resources available throughout their channels to get you started. Of course, the presets are the best start in this situation!

BLUETOOTH CONNECTION 41

You will connect to the Two Notes Torpedo inside your Revv Amplifier from your mobile device via Bluetooth. The connection has to be done in the following order:

1. Launch the Torpedo Wireless Remote app
2. Accept all the requested authorizations (they depend on your tablet or phone)
3. The connection window should show up and when it does, follow the on screen instructions.
4. Input the pin code to pair the Torpedo in your Revv amplifier and your mobile device. The pin code is found with your amplifier. Contact Revv should you misplace the Pin Code.

TROUBLESHOOTING 42

If after inputting the pin code the Torpedo does not show up in the “Devices” menu in Torpedo Wireless Remote, you will need to unpair the Torpedo in the list of devices that are paired in the Bluetooth menu of your phone. Once you have done this, please redo the procedure detailed above. You cannot pair the Torpedo from the phone or tablet OS, it has to be done by Torpedo Wireless Remote. Some phones need to have the location (GPS) activated to allow for Bluetooth pairing. Try activating the Location if you find yourself unable to pair with just the Bluetooth activated on your phone or tablet.

INTERNAL REACTIVE LOAD 43

Your amplifier comes with a built-in, fan-cooled, reactive load to allow you to play without the need for a speaker cabinet. On the rear of the amplifier, there is an internal load/speaker switch to switch between the speaker cabinet and the reactive load.

Depending on what you need, you can switch between the two on the fly. The speaker cabinet does not have to be unplugged when switching to the reactive load, the switch will bypass the speaker cab and only use the reactive load or vice versa! So you have full control by simply using the switch..

Note: If you forget to plug in a speaker cab and run the amplifier without a speaker cab fear not! The amplifier automatically uses the reactive load if there is no speaker plugged into the amplifier. But be aware, if there is a cable plugged into the speaker jack on the amplifier but no speaker cab plugged into the other end of the cable, this will cause damage unless the reactive load is engaged by using the internal load switch!

SETTINGS & SAVING CABINETS

The amplifier by default will power up with channel 1 loaded and all options turned off. But if you would prefer to save how the amplifier powers up and how each channel is set at power up you can!

Any combination of channels, boost settings and functions can be saved so that the amplifier will always power up in your favorite setting. In order to perform this setting:

In order to perform this setting:

1. Select the channel you want to power up with and set it up to your preference.
2. Press the store button and quickly release.
3. The store led will now flash
4. Press the CH button of the channel you have active.

The amplifier will now store your setting and confirm it by flashing the store led quickly and turn off. That's it! Your favorite setting will now be loaded when the amplifier is powered up. This will remain until changed.

Note: Each channel can be set up this way, however, the last channel saved will be the first channel to become active when the power is turned on. So when setting your channels up the way you want them when power is applied, just remember that you want to save your power up channel last.

FRONT PANEL & CAB LIGHTING 44

While we know a lot of people like the color-changing Revv logo and cabinet lighting, some do not. The option to turn this feature on and off has been added to your amplifier!

To disable/enable the cab and logo lighting:

With the main power in the OFF position

1. Press & hold the Reverb and Store push buttons together.
2. With the push buttons being held, turn on the power switch.
3. If the buttons were held correctly, then the CH1, Ch2, Boost and Bright buttons will illuminate. The logo LED'S will either now be on or off for complete amplifier customization!
4. Release the Reverb and Store buttons once the CH1, CH2, Boost and Bright Buttons Illuminate.
5. Press the BOOST button to toggle the Front Panel and Cab lighting LEDs.

The amplifier will now restart, and the LEDs will be turned off. Now, every time you power on the amplifier, the lighting will be turned off.

SAVING GLOBAL/MASTERS 45

While the FX Loop and Master functions are considered global settings across all channels, some players might prefer that these functions are saved differently on each channel. In this case, the amplifier has been designed to offer either setting so that it is possible to have each channel call up a different setting for both the FX loop as well as the master volumes.

This can be a pretty powerful feature if your settings will always remain the same.

By default, these functions are set to global as most players will require the FX Loop and master to remain the same across all channels (global).

But to toggle the amp to store these settings differently among the channels, simply turn on the saved FX Loop/Masters setting.

With the main power in the OFF position:

1. Press & hold the Reverb and Store push buttons together.
2. With the push buttons being held, turn on the power switch.
3. If the buttons were held correctly, then the CH1, Ch2, Boost and Bright buttons will illuminate.
4. Release the Reverb and Store buttons once the CH1, CH2, Boost and Bright Buttons Illuminate.
5. Press the BRIGHT button to toggle the Global Setting Option.

Now when you proceed to save your favorite settings on each channel (using the “saving channels and settings” method in this manual), you can also save the FX Loop and either of the master volume controls specifically.

Note: To toggle between the master controls and the FX Loop on or off, you can use the foot controller.

SAVING A DIGITAL CAB TO A BANK 46

When you want to save a cab to a bank along with your favorite channels and settings to be recalled when you press the bank button, the save must be performed in the following order:

1. Select the bank you plan to make the save to.
2. Select the channel as well as boost modes you plan to save to the bank. At this point the bank LED on the foot controller will begin to flash.
3. Next you will need to select the cab you want saved to the bank. **Note:** If channel functions (Bright) are selected first, the cab will not be saved. Boost is not included as a function in this case.
4. Once you have selected your cab, you may proceed to then select the functions you plan to save to the bank

(Bright).

5. Once completed, press the bank button to store these settings, the bank LED will stop flashing confirming the save.

SAVING A DIGITAL CAB TO A CHANNEL 47

One cool feature of your amplifier is the ability to save digital cabs to each channel. This will allow you to have many different sounds with every channel. In order to save a cab to a channel:

In order to save a cab to a channel:

1. Select the channel and boost (If applicable, as boost is considered a channel) you want to save a digital speaker cab to.
2. Select the digital speaker cab bank you would like saved with the 6 position rotary switch or two notes remote software.
3. Press and hold the store button until the LED flashes.

Now every time you switch to that channel, the digital speaker cab you have saved will be loaded by the Two Notes technology inside!

DISABLE/ENABLE CAB SPEAKER 48

For those that have no desire to save digital speaker cabinets, this feature can be disabled so that only the same cab will be used no matter what channel or setting you change.

With the main power in the OFF position.

1. Press & hold the Reverb and Store push buttons together.
2. With the push buttons being held, turn on the power switch.
3. If the buttons were held correctly, then the CH1, Ch2, Boost and Bright buttons will illuminate.
4. Release the Reverb and Store buttons once the CH1, CH2, Boost and Bright Buttons Illuminate.

5. Press the CH1 button to toggle the Option.

FACTORY RESET

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If you would like to clear the amp’s memory of all saved program patches & restore all of the amps settings to the factory default, which includes MIDI channel (restored to CH1), OMNI Mode, FX Loop (Restored to off at power-up) & a full memory clear, proceed with the procedure below:

With power OFF, press & hold the CH1 button & the CH2 button together & turn the power switch to the ON position.

The amplifier will flash the Reverb LED to confirm that the factory defaults have been restored..

Note: When resorting to the factory reset, just remember that ALL settings in the amps memory will be erased.

FOOT CONTROLLER

The Revv footswitch can be configured to either operate as a normal footswitch (with some bonuses) or a tool to quickly recall presets on the amplifier.

Control Mode: Select between channels, FX loop on/off, and master volumes.

Preset Mode: Select combinations of channel and functions + master volume select & FX Loop on/off that can be recalled with one button press.

Note: To switch between modes, press & hold the footswitch button 1 for 2 seconds. The LEDs will all illuminate, then switch to the settings in the other mode. All settings will be retained when switching between modes.

HOOK UP 50

The footswitch is connected to the rear of the amplifier with a 5 PIN DIN Cable. The amplifier & footswitch will work with any 5 PIN DIN cable should you be in a pinch, but the Revv cable is always recommended for best performance.

It is recommended that the footswitch be connected to the amp with the power off, but should you plug it in during amplifier use, it will power up & automatically set itself to the amps current settings. Upon power-up, all LEDs will turn on for a couple of seconds as it initializes. Once complete, the foot pedal will set itself to the amplifier's current configuration.

CONTROL MODE 51

The foot pedal will always power up in control mode. This mode works similarly to most other foot pedals - it simply controls the functions of the amp. Here is how the buttons respond in control mode:

BUTTON 1

This button has 3 functions, it switches to channel one when the amp is not in channel one, switches between clean and clean boost & switches between foot pedal modes when held for 2 seconds (control & preset).

BUTTON 2

This button will switch to channel two when the amp is not in channel two. It will also toggle through Channel 2 boost when in the amp is in channel 2.

BUTTON 3

This button toggles FX Loop In/Out.

BUTTON 4

This button toggles between master volumes.

BUTTON 5

This button toggles FX Loop In/Out.

PRESET MODE 52

When the footswitch is in preset mode, each button can then be used to save amp settings, much like a MIDI program change command. For example, if you wanted to save an amp setting like ch2, boost on, bright: on, FX loop: in, Master volume: 2, you could save this all to one button! Then every time you want to use this amp configuration, all you would have to do is press that one button & the amp would change to this setting.

Each button on the foot controller can save settings. They can also save digital cabs utilizing the Two Notes Torpedo tech inside!

Note 1: When a preset is set on the footswitch, it will not be lost if power is removed from the amp. The Revv footswitch has memory & will retain the settings. Each button is identical in Preset mode & will be considered banks. Each bank can hold an amp preset.

Note 2: Button one, however, have 2 functions in preset mode. Button one will switch between the modes (Control & Preset). Holding the button for 2 seconds will activate the abilities.

TO SAVE A PRESET TO A BANK 53

1. Put the footswitch in preset mode & select the bank you want to save to (Buttons one through four).
2. Set the amplifier to your desired configuration from the front panel of the amp.
3. The bank LED on the footswitch you have selected will begin to blink stating a change has been made on the front panel of the amp.
4. Once you're finished configuring the amp, simply press the desired bank button on the footswitch to save the setting into that bank & you're done! The LED will stop flashing verifying that the change has been saved. Now every time you press that bank button, the amp will switch to the configuration you.

Note: Any change made on the front panel of the amp will result in a bank LED blinking which means that the current bank setting is different from that of the amps new configuration. To save the new setting press the bank button on the footswitch (blinking LED), or, to reset the configuration & not keep the change, simply press another bank button & the change will NOT be saved.

FOOT CONTROLLER RESET 54

The footswitch memory can be cleared when it is needed. Each of the 4 banks will be returned to factory defaults. To reset the memory & return the unit to factory defaults, begin with the amplifier's power off & the footswitch plugged into the footswitch jack on the amplifier.

Next, press & hold buttons 1 & 2 down & turn the power switch to the ON position on the amplifier. As soon as the footswitch powers up, it will return all memory

locations to factory defaults as long as buttons one & two were held down properly at power-up.

Note: This will erase all your settings from the foot controllers memory!

USA & CANADA COMPLIANCE 55

For USA:

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, including interference that may cause undesired operation. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End-users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter meets both portable and mobile limits as demonstrated in the RF Expo-sure Analysis. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures.

For Canada:

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.