

CabDriver
DUAL CABINET SIMULATOR

OWNER'S MANUAL

WARRANTY

We at DigiTech® are very proud of our products and back-up each one we sell with the following warranty:

1. Please register online at digitech.com within ten days of purchase to validate this warranty. This warranty is valid only in the United States.
2. DigiTech warrants this product, when purchased new from an authorized U.S. DigiTech dealer and used solely within the U.S., to be free from defects in materials and workmanship under normal use and service. This warranty is valid to the original purchaser only and is non-transferable.
3. DigiTech liability under this warranty is limited to repairing or replacing defective materials that show evidence of defect, provided the product is returned to DigiTech WITH RETURN AUTHORIZATION, where all parts and labor will be covered up to a period of one year. A Return Authorization number may be obtained by contacting DigiTech. The company shall not be liable for any consequential damage as a result of the product's use in any circuit or assembly.
4. Proof-of-purchase is considered to be the responsibility of the consumer. A copy of the original purchase receipt must be provided for any warranty service.
5. DigiTech reserves the right to make changes in design, or make additions to, or improvements upon this product without incurring any obligation to install the same on products previously manufactured.
6. The consumer forfeits the benefits of this warranty if the product's main assembly is opened and tampered with by anyone other than a certified DigiTech technician or, if the product is used with AC voltages outside of the range suggested by the manufacturer.
7. The foregoing is in lieu of all other warranties, expressed or implied, and DigiTech neither assumes nor authorizes any person to assume any obligation or liability in connection with the sale of this product. In no event shall DigiTech or its dealers be liable for special or consequential damages or from any delay in the performance of this warranty due to causes beyond their control.

NOTE: The information contained in this manual is subject to change at any time without notification. Some information contained in this manual may also be inaccurate due to undocumented changes in the product since this version of the manual was completed. The information contained in this version of the owner's manual supersedes all previous versions.

TECHNICAL SUPPORT & SERVICE

If you require technical support, contact DigiTech Technical Support. Be prepared to accurately describe the problem. Know the serial number of your device – this is printed on a sticker attached to the chassis. If you have not already taken the time to register your product, please do so now at digitech.com.

Before you return a product to the factory for service, we recommend you refer to this manual. Make sure you have correctly followed installation steps and operating procedures. For further technical assistance or service, please contact our Technical Support Department at (801) 566-8800 or visit digitech.com. If you need to return a product to the factory for service, you MUST first contact Technical Support to obtain a Return Authorization Number.

NO RETURNED PRODUCTS WILL BE ACCEPTED AT THE FACTORY WITHOUT A RETURN AUTHORIZATION NUMBER.

Please refer to the Warranty information, which extends to the first end-user. After expiration of the warranty, a reasonable charge will be made for parts, labor, and packing if you choose to use the factory service facility. In all cases, you are responsible for transportation charges to the factory. If the product is still under warranty, DigiTech will pay the return shipping.

Use the original packing material if it is available. Mark the package with the name of the shipper and with these words in red: DELICATE INSTRUMENT, FRAGILE! Insure the package properly. Ship prepaid, not collect. Do not ship parcel post.

INTRODUCTION

Thanks for choosing the DigiTech® CabDryVR Dual Cabinet Simulator pedal. The CabDryVR was designed for the selective guitarist who wants the highest quality effects in a compact package. The CabDryVR provides such distinguishing features as true bypass and dual-cabinet processing, making the CabDryVR an essential addition to the signal chain of players who know about sound quality and demand the utmost in performance with superior tone and control.

The CabDryVR works with both electric guitar and bass, and can be used to provide the sound of a guitar/bass cabinet when the use of an actual cabinet is not practical. For example, connect the CabDryVR directly to a mixer when playing live—eliminating the need to carry a heavy amp and cabinet! Or, connect the CabDryVR directly to an audio interface for recording in an apartment or when acoustic isolation is required.

The CabDryVR provides two independent channels with up to 7 different speaker cabinet types to choose from (7 based on popular guitar cabinets and 7 based on bass cabinets). These cabinets can be mixed in multiple varieties using the two 7-position CAB TYPE controls. Two additional controls are provided for each channel to adjust speaker cabinet size (resonance) and output level. CAB B also offers a *DRY* setting, useful for applications where the unprocessed signal is also required.

The CabDryVR has dual inputs and outputs, so it can be placed at the end of a stereo effects chain and maintain stereo separation. Another cool feature is the CabDryVR's mono in to dual-cabinet output capability. This means you can plug your instrument into INPUT A and use both outputs to achieve additional functionality:

- Use the CAB A cabinet-simulated signal and set CAB B to the *DRY* setting to send the dry (unprocessed) signal to a real amplifier simultaneously.
- Drive two different cabinet simulations from a single guitar feed for stereo operation with varying tones or for blending various cabinet tones together.

To use the CabDryVR pedal:

1. Enable the effect with the FOOTSWITCH (the LED will light when the effect is enabled).
2. Set the SIZE and LEVEL knobs to 12 o'clock.
3. Set the GUITAR/BASS switch to the position that matches the type of instrument you are connecting.
4. Strum your instrument and switch through the cabinets using the CAB TYPE A knob until the desired cabinet is found.
5. Fine tune the SIZE and LEVEL knobs for CAB A.
6. If you are using a second instrument or want to use two different cabinets together, repeat steps 4–5 for CAB B using the TYPE, SIZE, and LEVEL knobs for CAB B.

FEATURES

- Dual-Channel Speaker Cabinet Simulation for Electric Guitar or Bass
- 7 Guitar & 7 Bass Cabinets to Choose from
- Controls for Cab A/B Type, Cab A/B Size, & Cab A/B Level
- Dual 1/4" Inputs & Outputs
- Supports Mono Input to Dual Output Operation
- Optional Analog Dry Output on Cab 2
- LED Indicator Shows Effect On/Off & Output Clipping
- True Bypass
- Constant High Voltage Power Rails
- Soft-Touch Vacuum Switch
- Included StompLock™ & Pedalboard Hook & Loop Pad
- Optional PS0913DC Adapter (Required)

USER INTERFACE



1. GUITAR/BASS Switch

Selects whether the CAB TYPE A and CAB TYPE B knobs will select guitar or bass cabinet simulations.

2. DC Power Jack

Connect the specified HARMAN power supply (sold separately) to this jack. Be sure to use the proper power supply for your area's mains line voltage. See '*Cabinet Model Descriptions*' on page 10 for power supply model information. The CabDryVR can only be powered using the external power supply.

3. CAB TYPE A Knob

Selects the cabinet type for CAB A. There are 7 unique cabinet types for both guitar and bass depending on the position of the GUITAR/BASS switch:

	Guitar	Bass
C1	Vintage American 2x12	Flexy 1x15
C2	Vintage British 2x12	Bassic 1x15
C3	British Green Slant 4x12	Big Blue 1x18
C4	British Straight 4x12	AmeriTweed 4x10
C5	Heavy American 4x12	Gold Diamond 4x10
C6	Smooth Custom 4x12	Vintage Fridge 8x10
C7	Small Combo 1x8	Blonde Basement 2x12

4. CAB TYPE B Knob

Selects the cabinet type for CAB B. There are 6 unique cabinet types plus an analog dry output option for both guitar and bass depending on the position of the GUITAR/BASS switch:

	Guitar	Bass
C1	Vintage American 2x12	Flexy 1x15
C2	Vintage British 2x12	Bassic 1x15
C3	British Green Slant 4x12	Big Blue 1x18
C4	British Straight 4x12	AmeriTweed 4x10
C5	Heavy American 4x12	Gold Diamond 4x10
C6	Smooth Custom 4x12	Vintage Fridge 8x10
DRY	Analog Dry Path	Analog Dry Path

CAB B has the same first 6 cabinet types as CAB A plus an analog dry output selection. This allows a single instrument connection to be split into a processed signal with cabinet simulation applied and a dry (unprocessed) output signal for connecting to the input of a real amplifier or recording interface.

NOTE: The "dry" signal does not pass through the A/D/A converters and processing, so it will not incur the latency introduced on the cabinet-simulated (processed) signal. Therefore, care should be taken—or manual latency compensation applied—to minimize phase incoherence in applications where both the processed and dry signals may be blended together or simultaneously audible.

5. Footswitch

Turns the effect on or off.

6. Indicator LED

This LED lights to indicate the effect is turned on or flashes to indicate clipping. When the LED is lit green, guitar cabs are being used. When the LED is lit yellow, bass cabs are being used. If the LED flashes red when signal is present, clipping is occurring in the cabinet filter or at the output of the pedal. If clipping occurs, try reducing the LEVEL controls to eliminate it. If that doesn't work, levels should be reduced pre the CabDryVR.

7. CAB A SIZE/LEVEL Knobs

These concentric knobs adjust the size and output level of CAB A. The inner knob adjusts the size (resonance) of CAB A. Higher settings emphasize the upper-mid/high frequencies, while lower settings emphasize the lower-mid/bass frequencies. The outer knob adjusts the output level of CAB A.

8. CAB B SIZE/LEVEL Knobs

These concentric knobs adjust the size and output level of CAB B. The inner knob adjusts the size (resonance) of CAB B. Higher settings emphasize the upper-mid/high frequencies, while lower settings emphasize the lower-mid/bass frequencies. The outer knob adjusts the output level of CAB B.

9. INPUT A Jack

Connect your instrument or the output of another effect pedal to this jack when only a single connection is needed. If an input connection is only made to INPUT A, the signal is passed through both cabinet model paths and will be heard at both outputs.

10. INPUT B Jack

Connect a second input to this jack for stereo or dual operation. When a connection is made to this jack, INPUT A is fed through CAB A and INPUT B is fed through CAB B. These are passed separately to OUTPUTS A and B to keep separation between channels.

11. OUTPUT A Jack

Connect this output to a single mixer channel or single input of an audio interface. If running long cable distances, more than approximately 25', a DI box should be used for best signal performance. Only CAB A will be heard at this output when the pedal is active.

12. OUTPUT B Jack

Connect this output to a second mixer channel or a second input of an audio interface. If running long cable distances, more than approximately 25', a DI box should be used for best signal performance. Only CAB B will be heard at this output when the pedal is active. If only INPUT A is connected, the signal will be split to both OUTPUT A and OUTPUT B. If INPUT B is connected, only the INPUT B signal will pass through OUTPUT B.

MAKING CONNECTIONS/APPLYING POWER

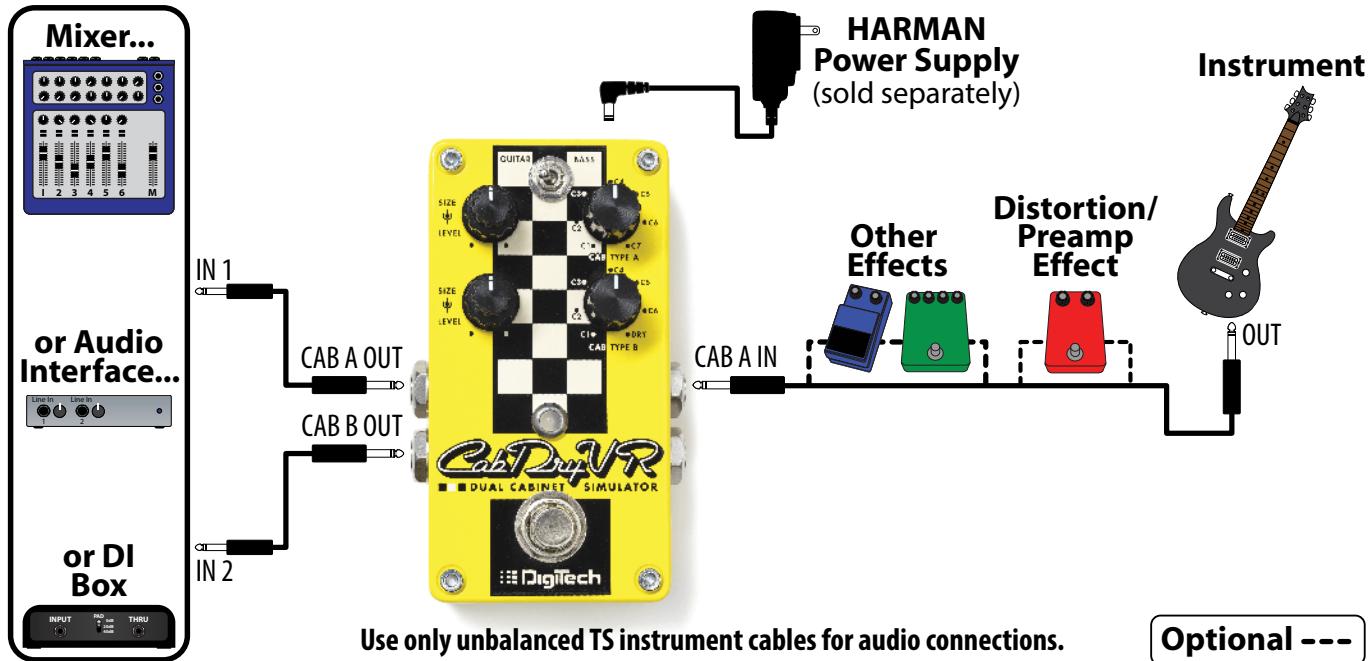
To connect the CabDryVR pedal to your system:

1. Turn down the input gain or volume of the device that you are connecting the CabDryVR's outputs to (e.g., mixer, audio interface, DI box, etc.).
2. Set the LEVEL knobs on the CabDryVR to 12 o'clock.
3. Make all audio connections to the CabDryVR as shown in '*Connection Diagrams*' on page 7. It is recommended to place any preamp or distortion effect before the CabDryVR inputs. Delay, modulation, and stereo effects can be placed either before or after the CabDryVR pedal.
4. Connect the appropriate HARMAN power supply (not included) to the POWER input connector and connect the other end to an available AC outlet.
5. Strum your guitar and gradually increase the input gain or volume of the mixer, audio interface, or amp until the desired level is achieved. Ensure that no clipping is occurring in the CabDryVR or the device to which you are connected. If clipping does occur, adjust levels accordingly to eliminate the clipping.

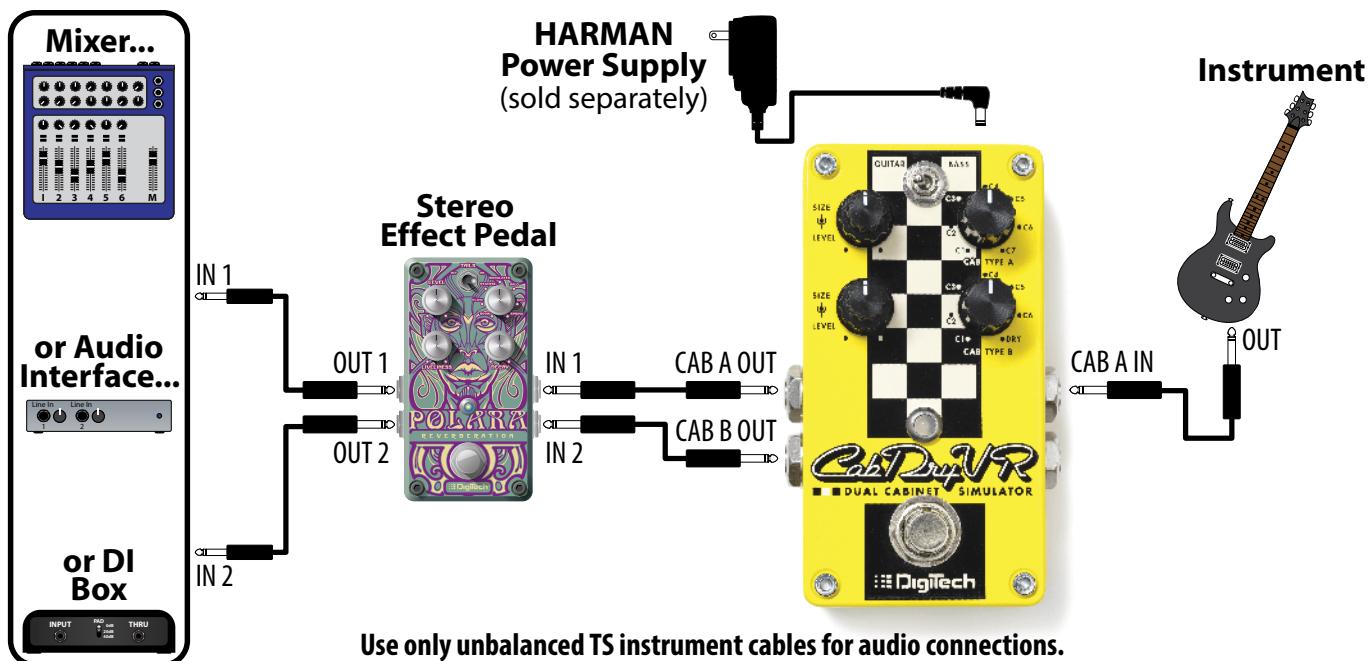
CONNECTION DIAGRAMS

NOTE: When running long cable distances from the CabDryVR to a destination preamp, more than approximately 25'; a DI box should be used for best signal performance.

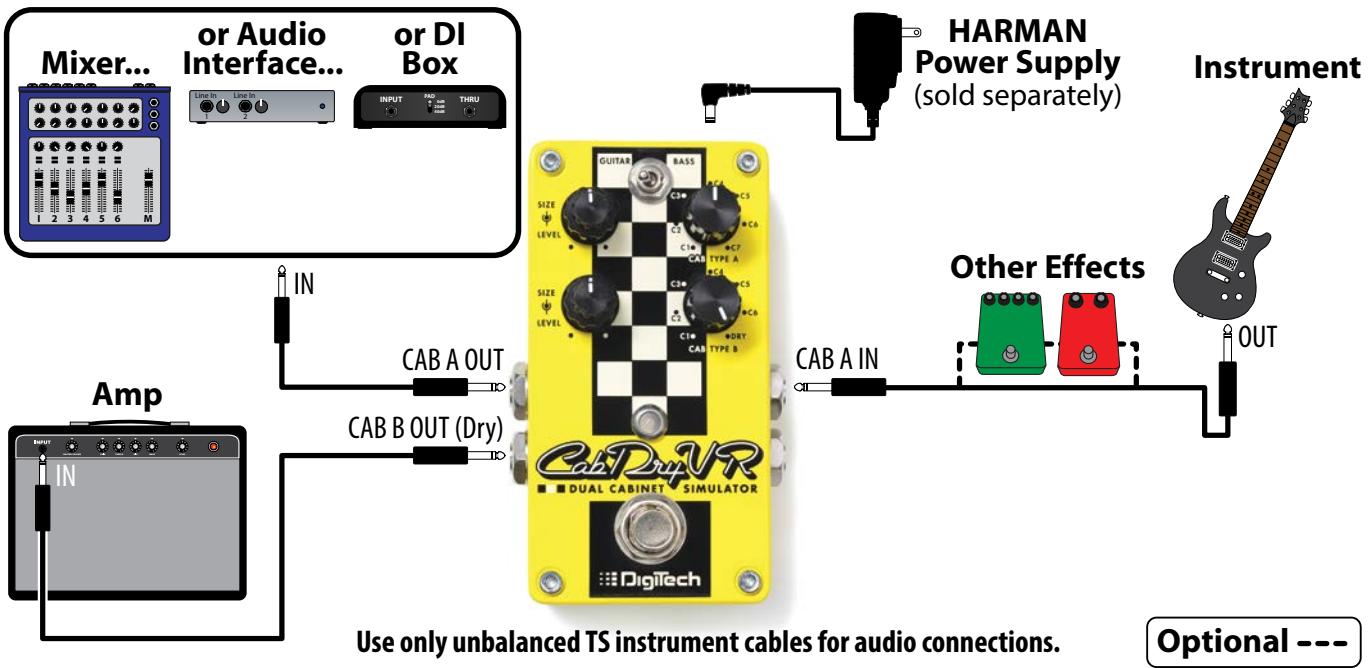
Single Instrument – Mono In/Stereo Out



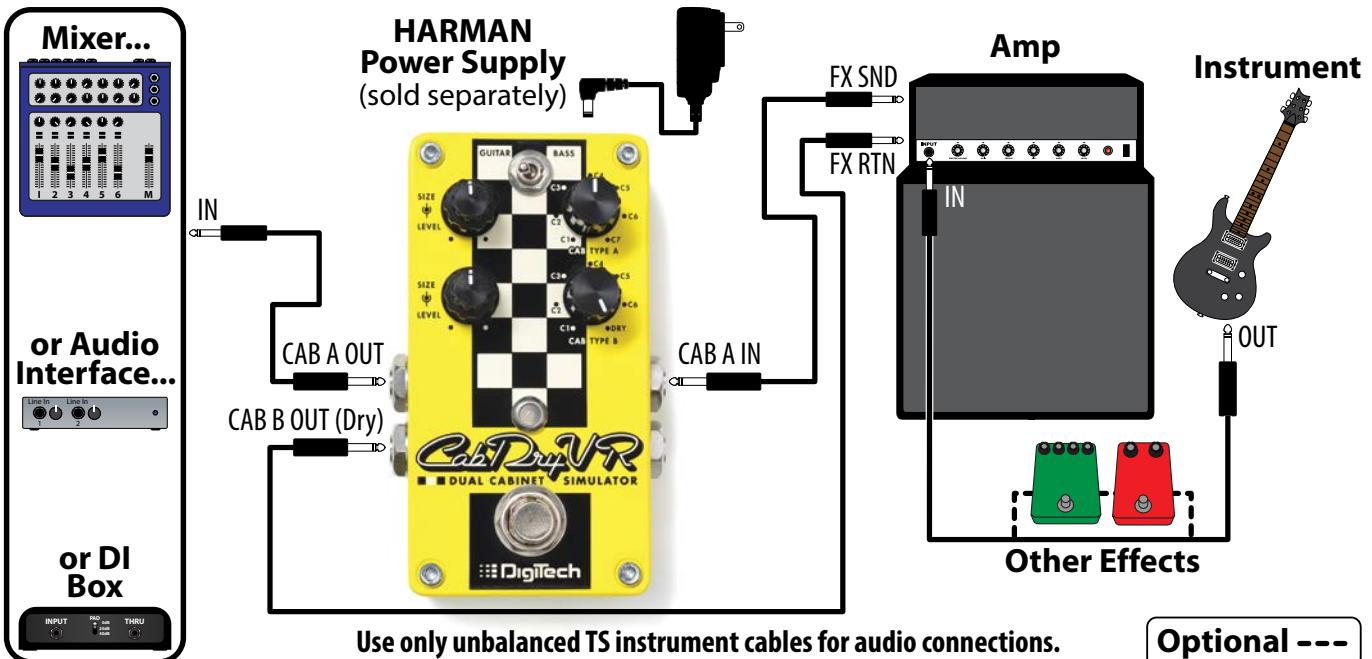
Single Instrument with Stereo Effects – Stereo Input/Output



Single Instrument – Single Cabinet + Dry Out

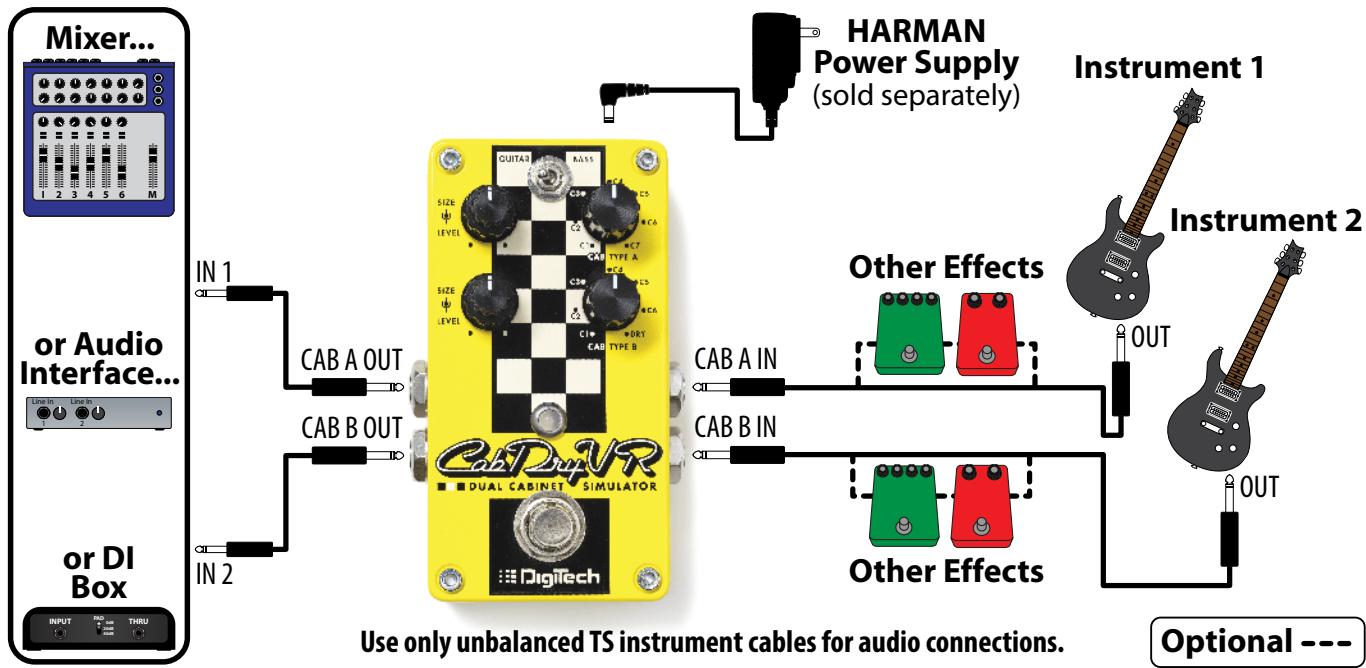


Single Instrument – Amp Preamp/FX Loop



NOTE: Using this application, the guitar signal will pass through the amplifier's preamp before being sent through the CabDryVR and on to the mixer or audio interface preamp. The CAB B output should be set to Dry so that the real amplifier will operate normally, without any amp simulation.

Dual Instruments – Dual Input/Output



CABINET MODEL DESCRIPTIONS

Guitar Cabinets

- **CAB 1 – Vintage American 2x12**
Based on a classic American twin combo with clean hi-fi sounding speakers.
- **CAB 2 – Vintage British 2x12**
Based on a classic British twin combo with Blueback speakers, this cab has a more pronounced midrange.
- **CAB 3 – British Green Slant 4x12**
Based on a vintage British slant 4x12 cabinet with 25W Greenback speakers.
- **CAB 4 – British Straight 4x12**
Based on a modern British straight 4x12 cabinet with 70W speakers.
- **CAB 5 – Heavy American 4x12**
Based on a modern American slant 4x12 with 30W vintage-style speakers, this cab has big chunky lows.
- **CAB 6 – Smooth Custom 4x12**
A dirtier custom cabinet with a little more midrange and high-end sizzle than a standard 4x12 cabinet.
- **CAB 7 – Small Combo 1x8**
A small American combo speaker that does a great job at cutting through the mix.

Bass Cabinets

- **CAB 1 – Flexy 1x15**
This cabinet defined the sound of recorded bass and is still a studio staple to this day. Provides a warm character with big low end.
- **CAB 2 – Basic 1x15**
Great tone that features both warmth and clarity from a compact combo 2-way speaker system.
- **CAB 3 – Big Blue 1x18**
Big lows from a big 18" speaker in a folded horn cab.
- **CAB 4 – AmeriTweed 4x10**
Based on a vintage American tweed 4x10 combo. This cabinet sounds great on guitar too!
- **CAB 5 – Gold Diamond 4x10**
Extremely versatile 2-way modern hi-fi cabinet tone with exceptional low end and enhanced presence.
- **CAB 6 – Vintage Fridge 8x10**
Nicknamed "The Fridge", this cabinet was the king of rock tone thanks to its massive SPL capability.
- **CAB 7 – Blonde Basement 2x12**
Based on a vintage American big blonde 2x12 cabinet. This cabinet also sounds great on guitar.

APPLICATION TIPS

Using Bass & Guitar Simultaneously

To use the CabDryVR with bass and guitar simultaneously, set the CabDryVR switch to "BASS" and use either the Ameritweed 4x10 (CAB 4) or Blonde Basement (CAB 7) for the guitar.

Simulating a Cabinet in a Room

This is one of the positives to having a cabinet simulator in pedal format: you can place a reverb, such as the DigiTech Polara (the "Room" algorithm works great for this), post the CabDryVR and dial in a nice room reverb to simulate a "cab-in-a-room" sound.

Parallel Fuzzes/Distortion

Since the Cab DryVR is dual mono, if you split your signal before the CabDryVR and use different fuzzes (or distortion/overdrive pedals if you swing that way) on each channel and then use different cabs on each channel, you can get massive double-tracked sounds. With this trick you need to be wary of phase issues, as many fuzz/distortion/overdrive pedals may flip phase, so some experimentation or correction may be required.

PERFORMANCE ACCESSORIES

The performance accessories make integrating the CabDryVR pedal into any pedalboard a snap. The following accessories are included:

- **Hook-and-loop Pedalboard Pad**
(designed to attach to the surfaces found on most commercial pedalboards)
- **StompLock™**
(keeps your settings where you want them)

Hook-and-loop Pedalboard Pad

To attach the Pedalboard Pad, do the following:

1. Peel off the existing rubber skid pad from the bottom of the pedal.
2. Peel the adhesive protector from the back of the Pedalboard Pad.
3. Apply the Pedalboard Pad to the bottom of the pedal.



StompLock™

The included StompLock lets you lock your settings in place, while the open-top design lets you see your settings.

To place the StompLock over the pedal knobs:

1. Set the knobs to your preferred settings.
2. Orient the StompLock so that it lines up with the knobs and gently push it over the top of the knobs.
3. To remove the StompLock, grip it from the sides and gently lift it up and off the knobs.



SPECIFICATIONS

Interface

Controls:	Cab Type A, Cab A Size, Cab A Level, Cab Type B, Cab B Size, Cab B Level
Switches:	Effect On/Off, Guitar/Bass
Jacks:	Cab A Input, Cab B Input, Cab A Output, Cab B Output

Electronic

A/D/A Converters:	24-bit high performance
Sampling Frequency:	44.1 kHz
THD + Noise:	0.004% @ 1kHz
Frequency Response:	20Hz – 20kHz
SNR:	≥ -105dB (A weighted): ref = 1dBu w/unity gain

Inputs

Jack Type:	1/4" instrument TS, unbalanced
Input Impedance:	Effect on: >1 MΩ (Input A/B), >500 kΩ (Input A only) Effect off: True hardwire bypass
Max Input Level:	+5 dBu

Outputs

Jack Type:	1/4" TS, unbalanced
Output Impedance:	Effect on: 1 kΩ Effect off: True hardwire bypass
Max Output Level:	+10 dBu

Power

Power Requirements:	9V DC external power supply
Power Consumption:	1.2 W (< 125 mA @ 9V DC)
Current Draw:	125 mA (typical at 9V DC)

Recommended Power Supply (Sold Separately)

Power Supply Model:	PS0913DC-01 (US, JA, EU) PS0913DC-02 (AU, UK) PS0913DC-04 (US, JA, EU, AU, UK)
Power Supply Polarity:	
Power Supply Output:	9V DC 1.3 A

Physical

Dimensions:	4.40" (L) x 2.65" (W) x 2.0" (H) 11.18cm (L) x 6.73cm (W) x 5.08cm (H)
Weight:	1.0 lb. (0.453 kg)

Specifications are subject to change without notice.



PHONE: (801) 566-8800

WEB: digitech.com

SUPPORT: digitech.com/en-US/support

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