

3 Considerations When Powering Your Pedals:

1. Voltage (v): This is the amount of power that the pedal requires. If it needs 9Vdc, always plug it into a 9Vdc output. Don't plug it into a 12Vdc output unless you are sure that it can handle the extra voltage, and you have checked with the pedal manufacturer. The CS12 has a single 9Vac output. AC voltage is different than DC voltage. Do not plug a 9Vdc pedal into the 9Vac output, as this could damage the pedal.

2. Polarity (-/+): All DC powered pedals will indicate polarity near the DC jack. There can be negative tip or positive tip. All 1 SPOT Pro outputs have a negative tip polarity. However, if your pedal needs a positive tip polarity you can use the included CYR (red) adapter on the pedal to reverse the tip polarity from negative to positive.

This symbol shows "negative tip" polarity: +  -

3. Current (mA): Each pedal requires a specific amount of current that is measured in milliamps (mA). **When it comes to current (mA), the pedal will only draw what it needs** to function properly, and it is best to have more mA available than the effect needs. One of the great features of the 1 SPOT PRO is that each output can provide more current (mA) than it indicates on the enclosure. Please note: most pedal manufacturers do not indicate the actual mA draw of their products. Instead, they will generally match the mA specs on the pedal to the power supply that they make. If you want to know how much mA your pedal is actually drawing, check out our mA Meter at Truetone.com

Things to remember about current draw (mA)

1. You always want to have more available than you need.
2. A pedal will only draw the amount of current (mA) that it needs to function properly.
3. If an output on the 1 SPOT PRO does not have enough current available to power the pedal, and you have properly matched the voltage and polarity, the pedal simply won't power up or function properly. You won't damage either the pedal or power supply.

Save Energy! Unplug your 1 Spot Pro when not in use.
Like with any electrical device, this will also prolong the life of your gear.



Truetone.com



CS 12 - pure isolated power

Owners Manual



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IMPORTANT SAFETY INSTRUCTIONS

1. All the safety and operating instructions should be read before this product is operated. Keep these instructions for future reference.
2. Pay attention to all warnings on the power supply and in the operating instructions.
3. **WARNING:** Do not use this device near water or any other liquid.
4. Clean only with dry cloth.
5. Do not block any ventilation openings.
6. Do not use this device near any heat sources.
7. Do not remove the power plug grounding pin on the input cable.
8. Protect all input and output power cables from being walked on or pinched.
9. Only use attachments/accessories specified by the manufacturer.
10. Use only with the brackets and screws provided with this power supply.
11. Unplug this device during lightning storms or when unused for long periods of time.
12. Refer all repairs to qualified personnel at Truetone or an authorized Truetone distributor. Under no circumstances should the power supply be opened by the user.
13. This lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



- **WARNING:** To reduce the risk of electric shock, do not remove cover (or back) as there are no user-serviceable parts inside. Refer servicing to qualified personnel.
 - The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.
14. The maximum ambient temperature should not exceed 35 degree C.
 15. Date code: YYMM, YY means year, MM means month. For example: 2212 represents Year 2022, December.

Mounting your 1 SPOT Pro under a Pedaltrain® pedalboard:

The 1 SPOT Pro comes with 2 metal brackets, 4 black machine screws and 4 silver self-tapping screws. The black machine screws (M3x6mm) are for attaching the metal brackets to the sides of the 1 SPOT Pro, and the self-tapping screws (M4x10mm or #8x0.5") are for attaching the brackets to the Pedaltrain®, as shown below.



For mounting instructions, please see our YouTube video: "1 SPOT Pro - Pedaltrain mounting tutorial"

Congratulations on your purchase of the 1 SPOT Pro CS12 Power Supply by Truetone! The 1 SPOT Pro CS12 provides 12 outputs to power just about any effect pedal. All 12 outputs are completely isolated, regulated, and filtered to provide quiet and safe operation for your valuable effects pedals.

The 1 SPOT Pro CS12 includes the following cables and plugs:

Power cables (all DC cables are center pin negative polarity, 5.5x2.1mm):

- (2) DC26 (26" or 660mm) – Purple
- (2) DC22 (22" or 559mm) – Blue
- (4) DC18 (18" or 457mm) – White
- (3) DC12 (12" or 305mm) – Yellow
- (1) AC21 (5.5x2.5mm input & output plugs; 21" or 533mm) – Red

Converter Plugs:

- (1) CL6 – Green – 5.5x2.5mm reverse polarity converter
- (1) CYR – Red – 5.5x2.1mm reverse polarity converter
- (1) C35 – Black – 3.5mm (1/8") plug converter
- (1) CBAT – Black battery clip
- (1) C2.5 – Gray – converts 5.5x2.1mm output plug to 5.5x2.5mm

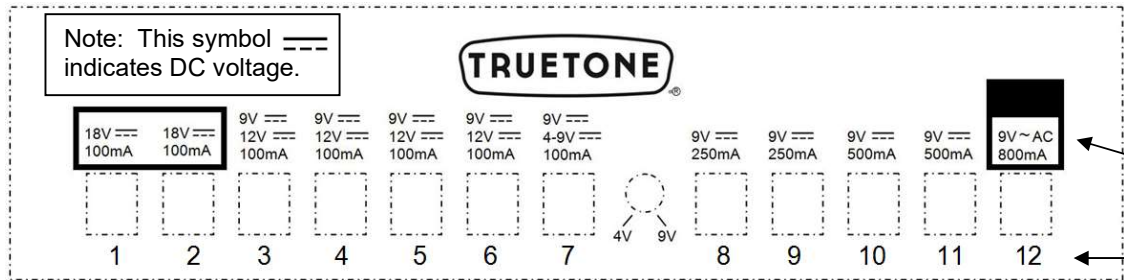
Input Voltage Selector Switch:

The back panel of the 1 SPOT Pro CS12 has a 2-position 115/230V~ switch that allows the 1 SPOT Pro CS12 to be used in most countries. **Warning:** Using the unit at the wrong setting will cause damage to both the 1 SPOT Pro CS12, and any effect plugged into output 12. Make sure the switch setting matches the voltage coming out of the wall outlet (+/- 10V~ is OK).

Specifications:

Input: 100-127V~/0.7A, 50/60Hz US; 200-240V~/0.35A, 50/60Hz Europe/UK
Outputs: 12 Outputs are as shown below: (Outputs 3-7 are switchable)

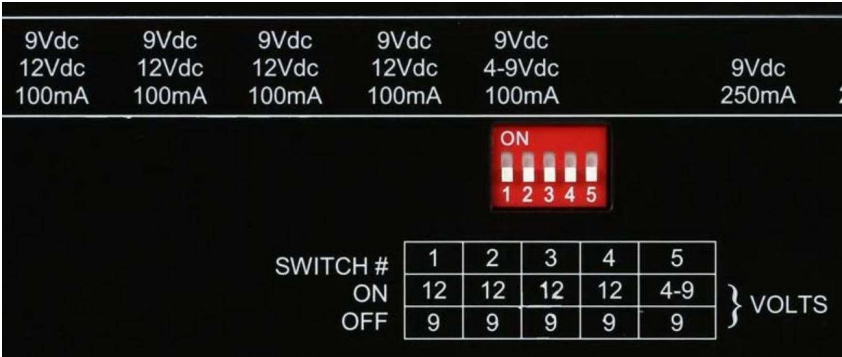
Note: The first 11 outputs feature jacks with a standard 5.5x2.1mm barrel connector, while the 9Vac equipped output 12 has a 5.5x2.5mm barrel to help prevent plugging this output into a normal 9Vdc pedal and potentially causing damage.



Bottom Panel Switches:

The bottom panel of the 1 SPOT Pro CS12 contains 5-mini switches that change the voltage output of outputs 3-7. To have all of these outputs set to 9Vdc, put them all in the Off position.

- Switch 1** corresponds to Output-3 (9/12Vdc)
- Switch 2** corresponds to Output-4 (9/12Vdc)
- Switch 3** corresponds to Output-5 (9/12Vdc)
- Switch 4** corresponds to Output-6 (9/12Vdc)
- Switch 5** corresponds to Output-7 (9Vdc or 4-9Vdc variable)



Please Note: Each output on a 1 SPOT Pro can actually handle more than the stated mA number. The most important thing to know is the total mA current draw of all your pedals combined. Most likely, you will not exceed the total of all the output labels, which is 3000mA. If you don't know the mA draw of each of your pedals, please consider purchasing the Truetone mA Meter, sold separately.

WARNING: Do not use this output except with pedals that are specifically mentioned in this manual. Truetone is not liable for misuse of this 9Vac output.

Note: These numbers do not appear on the actual unit.

Notes on certain pedals:

- Older Boss pedals marked “ACA” use output set to 12Vdc. Newer Boss units marked “PSA” can be used with any 9Vdc output.
- For pedals with a current draw higher than 400mA, please utilize outputs 8-11. To be sure about the current draw of your pedals, please use a Truetone mA Meter, sold separately.
- Eventide Factor pedals and H9/H90 may be powered by outputs 8-11 with the addition of the CL6 converter for proper DC jack tip size and polarity.
- Line 6 M9 may be powered by outputs 10-11, but will also require the CL6 converter. The M9 can also be powered directly by the 9Vac of output 12, using the included AC21 cable (with 2 red plugs).
- Line 6 M5 may be powered by outputs 10-11, NOT output 12.
- Line 6 HX series and POD Go require a C2.5 converter. Please note, although they can be powered by either output 10 or 11, it is recommended to power them from both outputs using a Truetone MC2 cable (sold separately) to split the current load.
- If more 9Vdc pedals need to be powered, a Truetone Multi-Plug cable (sold separately) may be connected to any of the 9Vdc outputs depending on mA draw.
- Pedals that do not have a power jack, yet are powered normally by a 9Vdc battery, may utilize any 9Vdc output, along with the CBAT converter.
- Digitech Whammy: Versions 1-4 may be powered by output 12 (9Vac). Version 5 or Whammy DT may be powered by outputs 10 or 11.
- Overdrives or fuzzes that sound/feel better at lower voltage should utilize output 7. Set the dip switch to the “on” position, and adjust the mini-pot on the face of the unit to the desired voltage, anywhere from 4-9Vdc.
- Radial Tonebone 15Vdc pedals can be powered by an 18Vdc output, using the Reverse Polarity Converter (CYR) included with the 1 SPOT Pro.

Note: Trademark names mentioned above are for reference only and do not have any affiliation with Truetone.

Warranty:

The 1 SPOT Pro CS12 carries a 5-year warranty to the original owner, covering faulty materials and workmanship.

The warranty is considered void for any of the following reasons:

1. The unit has been modified in any way.
2. Any repair has been attempted by anyone other than the manufacturer.

If your unit becomes defective during the warranty period, please contact Truetone to obtain a return authorization. All contact information can be found at Truetone.com

WARNING: Operation contrary to the guidelines set forth in this manual may damage your pedals. **Truetone is not responsible for the damage of your pedals by improper usage.**

Input Power Cable:

Your 1 SPOT Pro includes an input power cable. Insert the universal IEC plug into the socket on the back of the 1 SPOT pro. Double check the voltage switch on the back of the power supply, as described in this owners manual. Plug the other end into a wall outlet or power strip.

Environmental Protection

The trash can symbol indicates that waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.



FCC Notice:

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 to 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.

Changes or modifications not expressly approved by Truetone could void the user's authority to operate the equipment.