



## OVERVIEW

### USB OUTPUTS

2 x USB Type A, 5V 2A each for charging devices or power USB lamps, etc.



### 9V DC Outputs

2x 9V DC outputs.  
900 mA each. 2.1 mm,  
center negative jacks.

### 9V/12V DC Outputs

8x 9/12 DC outputs (selectable).  
900 mA each at 9V, 800 mA at 12V.  
2.1 mm, center negative jacks.

We recommend the EBS DC-1 cables to connect your pedals to RUNSTEN. If you need more/other lengths than the included cables, they are available at EBS dealers and online stores across the World.

### Input Power Socket

Plug in the dedicated 24V input power supply included with the Runsten here. The supply is universal, and handles 100-230V.



### 9/12V DC Selector Switch

Each switch marked with the matching output number. Select between 9 or 12V DC.

## EXTENDED USE OF THE RUNSTEN

When 9 or 12V DC isn't enough, or you need extra current, or you need to reverse the polarity, or connect a pedal with a 2.5 mm contact, you can use the special adaptors included with your RUNSTEN (if you need more, they are available from the EBS WEBSHOP as well).

To increase the VOLTAGE use the DC1-48 90/0 SER cable included with the Runsten. Connect the Red contacts to two outputs on the RUNSTEN, and the total Voltage will be the sum of the two connected outputs to deliver up to 24V DC.



To increase the CURRENT use the DC1-48 90/0 PAR cable included with the Runsten. Connect the two Black contacts that are close together to two outputs on the RUNSTEN, and the total Current will be the sum of the two connected outputs to deliver up to 1800 mA.

**IMPORTANT!** Both outputs MUST be set to the same voltage in order to avoid current surge and eventual damage.



*Use this cable if the DC power input on your pedal has a 2.5 mm plug. Connect the BLACK contact to the RUNSTEN and the GRAY to your pedal.*



*Use this cable to reverse the polarity from Center Negative to Center Positive, if your pedal needs Center Positive connection. Connect the BLACK contact to the RUNSTEN and the RED one to your pedal.*



If you need more of these special adaptors, they are all available to order from the EBS webshop, linked from our website [ebssweden.com](http://ebssweden.com)

## EXTENDED USE OF THE RUNSTEN, prt 2

*If you use RUNSTEN as your sole source of power, we always recommend to use the included and universal adaptor to connect RUNSTEN to 100-240V.*

*How ever, some power supplies from other brands features an 18-24V output. If your power supply has that option, you can use the RUNSTEN as an extension to that power supply. Use a cable with an EIAJ-5 contact to connect to the Runsten.*

NOTE: *If using RUNSTEN as an extension to another power supply, the current of the outputs will depend on the specifications of the other power supply and not line up with the RUNSTEN specifications.*





For information about all EBS pedalboard accessories, including the original space-saving Flat Patch Cables, scan the QR code.

You will find our entire catalog at [ebssweden.com](http://ebssweden.com)

[WWW.EBSSWEDEN.COM](http://WWW.EBSSWEDEN.COM)

## TECHNICAL SPECIFICATIONS EBS RUNSTEN POWER SUPPLY

### Output Specifications:

Ultra low noise DC Outputs: 8 x selectable 9 or 12V,  
900 resp 800 mA  
2 x 9V, 900 mA

All outputs are short circuit protected and fully galvanically isolated. Connections are center negative on 2.1mm DC jacks.

USB Outputs: 2 x USB Type A, 5V 2A each

### Input specifications\*

Input voltage range: 18-24V DC  
Maximum power handling: 120W at 5A input.

*\* Dedicated external power supply included. The supplied AC/DC desktop type adapter is rated 24V/2.5A which equals a total maximum power of 60W, which should be sufficient for most setups.*

Size: 175 x 69 x 25 mm /  
6.89 x 2.72 x 0.98 inch

Weight: 310 g / 0.68 lbs

*Specifications are subject to change without notice.*

*If you did not find the answer in this manual, please contact EBS at [support@ebssweden.com](mailto:support@ebssweden.com)*