

# Harley Benton

## ISO12AC Pro Modular

### Quick start guide

This document contains important information on the safe use of the product. Read and follow the safety instructions and all other instructions. Keep the document for future reference. If you pass the product on to others, please include this document. Contents are subject to change. Please refer to the latest version of the documentation, which is ready for download under [www.thomann.de](http://www.thomann.de).

### Safety instructions

#### Intended use

This device is intended for use as a multi-power supply for supplying power to effects pedals. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damage resulting from improper use. This device may be used only by persons with sufficient physical, sensory, and intellectual abilities and having corresponding knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

#### Risk of injury and choking hazard for children!



Children can suffocate on packaging material and small parts. Children can injure themselves when handling the device. Never allow children to play with the packaging material and the device. Always store packaging material out of the reach of babies and small children. Always dispose of packaging material properly when it is not in use. Never allow children to use the device without supervision! Keep small parts away from children and make sure that the device does not shed any small parts (such as knobs) that children could play with.

#### Risk of death from electrical current!



A short circuit can cause fires and loss of life. Always use proper ready-made insulated mains cabling (power cord) with a safety plug. Do not modify the mains cable or the power plug. If the insulation is damaged, immediately switch off the power supply and have it repaired. If in doubt, contact a qualified electrician.

#### Risk of death from electrical current!



The output cable that transfers the supply voltage conducts hazardous voltage. The output cable must be professionally insulated and thus securely terminated. If the insulation is damaged, immediately switch off the power supply and have it repaired. If in doubt, contact a qualified electrician.

#### Risk of fire by exceeding the maximum current



The device can supply power to other devices of identical design and connected in series. If too many devices are connected, the power consumption can exceed the maximum permitted power consumption, which can cause the device to overheat and burst into flames. Only connect devices of identical design to the device. When deciding how many devices you can connect in series, make sure that the maximum permitted power consumption as stated on the device is not exceeded. Also refer to the specifications in the technical specifications for the device. Only use power cords with a cable cross-section designed for the required current intensity when connecting the devices in series.

#### Operating location

Never use the product in the following ambient conditions:

- in conditions of extreme temperature or humidity
- in extremely dusty or dirty places
- in locations where the device may get wet

#### General handling

- To prevent damage, do not exert force when handling the product.
- Do not immerse the product in water. Wipe only with a clean and dry cloth. Do not use liquid cleaners such as benzene, thinners or flammable cleaning agents
- The total power output of the device must not exceed 27 W.

### Features

- Extremely powerful multi-power supply for effects pedals
- 12 individually insulated outputs and 1 uninsulated output
- Filtered and short-circuit-proof outputs eliminate noise & humming
- Capable of handling high currents for modern digital effects
- LED monitoring at each output (LED turns off if the output is overloaded, and the output switches off)

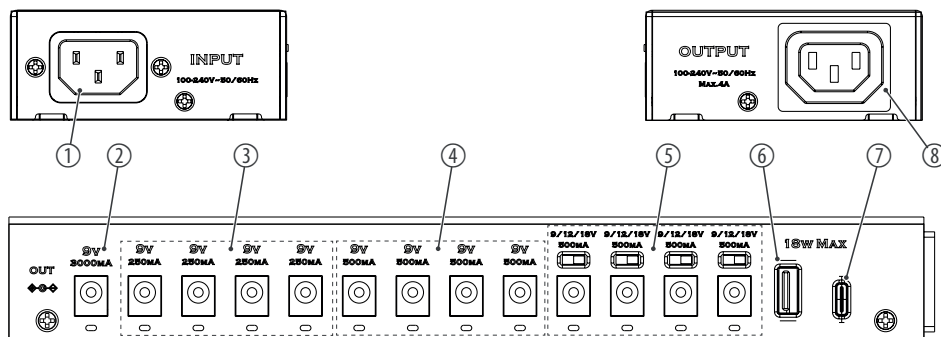
- Modular AC main output makes it possible to connect two or more devices using kettle socket on plug (included in scope of delivery) or as AC link to the power strip
- Compact, sturdy aluminium housing can be used on or under pedal boards
- 1 x USB-A and 1 x USB-C for power supply and for charging tablets and phones

### Scope of delivery

- ISO12AC Pro Modular
- 4 x DC cable, each 30 cm long
- 5 x DC cable, each 60 cm long
- 4 x DC cable, each 90 cm long

- 1 x connecting cable, 45 cm long, male plug straight to green right-angled plug, 5.5 x 2.1 mm to 5.5 x 2.5 mm for Line6 pedals
- 1 x AC kettle plug-to-plug (female to male)
- 1 x AC power cable, 1.2 m long with EU plug
- 1 x AC connecting cable, kettle plug to EU socket, 15 cm long

### Connections



- 1 Kettle AC input with 100-240 V universal input voltage 50/60 Hz
- 2 Output 1 with 9 V  $\equiv$  @ 3,000 mA, uninsulated
- 3 Outputs 2 - 5 with 9 V  $\equiv$  @ 250 mA, insulated
- 4 Outputs 6 - 9 with 9 V  $\equiv$  @ 500 mA, insulated
- 5 Outputs 10 - 13 with voltage switch, insulated, can switch between 9 V  $\equiv$  @ 500 mA / 12 V  $\equiv$  @ 375 mA / 18 V  $\equiv$  @ 250 mA

- 6 USB-A output, uninsulated, max. 18 W
- 7 USB-C output, uninsulated, max. 18 W
- 8 Kettle AC output

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### Using the product

1. Connect the device to the power supply using the supplied power cable to put the device into operation.
2. Connect the device to another device using the supplied connecting cable in order to supply it with power.
3. Use output 1 and a suitable cable to connect devices with a high power consumption (e.g. multi effects units) that require 9 V  $\equiv$  of supply voltage at a maximum of 3,000 mA.
4. Use outputs 2 - 5 and suitable power supply cables to connect effects pedals or similar that require 9 V  $\equiv$  of supply voltage at a maximum of 250 mA.
5. Use outputs 6 - 9 and suitable power supply cables to connect effects pedals or similar that require 9 V  $\equiv$  of supply voltage at a maximum of 500 mA.
6. Use outputs 10 - 13 and suitable power supply cables to connect effects pedals or similar that require 9 V  $\equiv$ , 12 V  $\equiv$  or 18 V  $\equiv$  at a maximum supply voltage of 500 mA, 375 mA or 250 mA. Put the corresponding switch next to the relevant output into the position for the required voltage. The maximum output power of 27 W must not be exceeded.

#### Danger of property damage due to excess voltage



Make absolutely sure that the connected devices are suitable for the set voltage. Supplying a device with excess voltage can damage it!

7. Use the USB ports and suitable power supply cables to connect devices such as smartphones or tablets.
8. Each output 1 - 13 that is ready for operation is indicated by an LED that lights up green. If an overload causes an output to be switched off, the LED goes out. In that case, disconnect the relevant pedal from the device. Normal voltage provision is restored after approx. 2 seconds.
9. Disconnect the power cable from the mains to switch off the device.

#### Danger of property damage due to reverse polarity



Make absolutely sure that the polarity of the devices you want to connect is identical to the polarity of the supply outputs (+ - -). Supplying a device with voltage with reverse polarity can damage it!

### Technical specifications

• Connections (+ - -)		
- Output 1	9 V $\equiv$ @ max. 3,000 mA	• Power supply
- Outputs 2 - 5	9 V $\equiv$ @ max. 250 mA (individually insulated)	external power adapter, 100 - 240 V ~ 50/60 Hz
- Outputs 6 - 9	9 V $\equiv$ @ max. 500 mA (individually insulated)	• Operating voltage
- Outputs 10 - 13	can switch between 9 / 12 / 18 V $\equiv$ @ max. 500 / 375 / 250 mA (individually insulated)	24 V $\equiv$ / 2 A, centre negative
• USB output	USB-C max. 18 W	• Dimensions (W x H x D)
	USB-A max. 18 W	256 mm x 35 mm x 88 mm
• Output power	27 W	• Weight
• Output current	3,000 mA	748 g
		• Ambient conditions
		Temperature range
		0 °C...40 °C
		Relative humidity
		20% to 80%
		(non-condensing)



Environmentally friendly materials have been chosen for the packaging. These materials can be sent for normal recycling. Ensure that plastic bags, packaging, etc. are disposed of in the proper manner. Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the instructions and markings on the packaging.



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) as amended. Do not dispose of your old device with your normal household waste. Dispose of the product through an approved waste disposal firm or through your local waste management facility. When disposing of the device, comply with the rules and regulations that apply in your country. In doubt, consult your local waste management facility.