BRETFORD®

PowerSync Pro®
Gen. 2 Smart Hub

USER GUIDE

About Your Product

At a Glance - PowerSync Pro 20L (Front)

Device
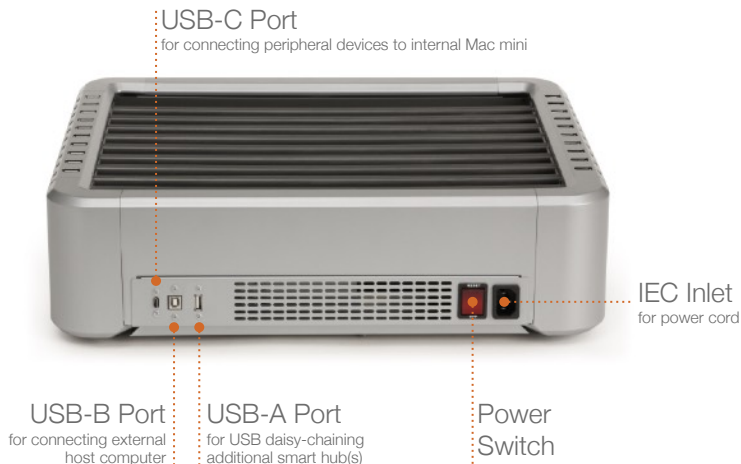Slots

Ports 1-10
with LED status

Ports 11-20
with LED status
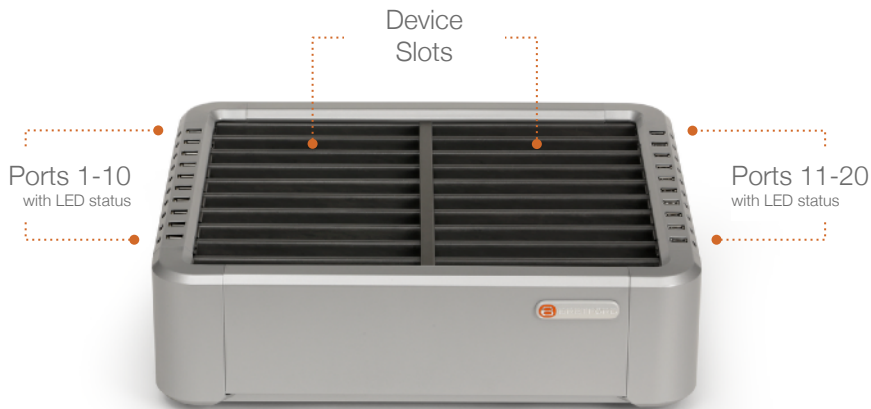
About Your Product
At a Glance - PowerSync Pro 10L (Front)

Device
Slots

Ports 1-10
with LED status

USB-C Port
for connecting peripheral devices to internal Mac mini

IEC Inlet
for power cord

USB-B Port
for connecting external
host computer

USB-A Port
for USB daisy-chaining
additional smart hub(s)

Power
Switch

About Your Product
At a Glance - PowerSync Pro 20S (Front)

Device
Slots

Ports 1-10
with LED status

Ports 11-20
with LED status

Device
Slots

Ports 1-10
with LED status

About Your Product
At a Glance - PowerSync Pro 20S / 10S (Back)

USB-A Port
for USB daisy-chaining
additional smart hub(s)

USB-B Port
for connecting external
host computer

**Power
Switch**

IEC Inlet
for power cord

About Your Product
What's in the Box?

- PowerSync Pro Gen. 2 Smart Hub

- Device Cable Retention Bracket(s)

- IEC C13 Power Cord

- USB-B to USB C sync cable

- Hardware Pack

About Your Product
Technical Specifications

Model	20L	10L	20S	10S
Part Number	PSPT20LA2201A	PSPT10LA2201A	PSPT20SA2201A	PSPT10SA2201A
Capacity	up to 20 devices	up to 10 devices	up to 20 devices	up to 10 devices
Dimensions	19 x 17 x 5.5 in.		9.5 x 17 x 5.5 in.	
Slot Size	7.8 x 0.97 in.	16.1 x 0.97 in.	3.6 x 0.97 in.	7.2 x 0.97 in.
Weight	26 lb.		15 lb.	
Power Rating	100-240V 50/60Hz, 3.2/1.5A	100-240V 50/60Hz, 2/1A	100-240V 50/60Hz, 3.2/1.5A	100-240V 50/60Hz, 2/1A
Construction	Designed and built in the USA. Ships fully assembled.			
Warranty	For terms, please visit bretford.com/warranty			

Product Setup
Connecting a Host Computer

External Host Connection

The included USB-B to USB-C cable can be used to connect a host computer to the USB-B port on the back of the smart hubs for running your configuration software of choice, such as Apple Provisioning Utility, or GroundControl.

Internal Host Compartment

Larger 10L and 20L models can be optionally re-configured for use with an internal host Mac mini (2018), which can be connected and secured in the internal storage compartment.

Product Setup
Installing an Internal Host

Before You Begin

Please ensure the following:

- The PowerSync Pro Gen. 2 Smart Hub is disconnected from any power source, with the power switch in the OFF position.

- The unit is empty with no devices loaded into it.

- The device cables are not yet installed.

1. Flip the unit upside down onto a soft surface, such as a cloth, or towel, taking care to avoid scratching the unit.

2. Remove the screws to the internal host storage compartment and set aside.

3. Remove the access panel to the internal host storage compartment.

4. Disconnect the USB-B cable that connects the external USB-B passthrough port to the hub internals. This is only used for connecting a host computer externally and is not used in this configuration.

5. Insert your Mac mini (2018) into the storage compartment. The Apple logo should be facing away from you into the interior of the compartment, while the circular foot of the Mac mini should be visible to you.

6. Connect the Mac mini to:

    (i) the integrated IEC ("figure-8") power cord

    (ii) the internal USB-B port

    (iii) the external USB-C passthrough port to allow peripherals to be connected to the Mac mini

7. Replace the access panel and secure using the screws that were previously removed.

Product Setup
Device Cable Packs

PowerSync Pro Gen. 2 Smart Hubs are designed for use with Bretford cable packs:

PSPCORD10A-L9	10-Pack, USB-A to Lightning (9-inch) for iPhone and iPad mini
PSPCORD10A-L12	10-Pack, USB-A to Lightning (12-inch) for iPad
PSPCORD10A-C12	10-Pack, USB-A to USB-C (12-inch) for iPad Pro / iPad Air

These cables are designed with the following features:

- Perfect optimized length to eliminate excess cable
- Right-angle connectors to mitigate cable strain
- Security feature (when used with optional retention bracket) to help prevent unauthorized removal of cables

Product Setup
Installing Device Cables with Retention Bracket

1. Remove cables from packaging and connect the USB-A connector ends to the USB-A device ports on the top surface of the unit.

2. Locate the steel cable retention bracket(s) that ships included with your PowerSync Pro Gen. 2 Smart Hub. 10-port models include a single bracket, while 20-port models include two.

3. Lower the bracket(s) over the device cables, making sure the tabs of the bracket are inserted into the slots on the inside wall(s) of the smart hub.

4. Secure the retention brackets using the security screws included in the hardware pack that ships with each unit.

Important Information
Safety Notice

Electrical The socket-outlet shall be installed near the equipment and shall be easily accessible.

Avoid sparks. Avoid arcing. Always turn OFF the power to the unit before plugging IN or OUT! Be sure each device is turned OFF before plugging into the cart.

For safety purposes, make sure all electrical components do not exceed the maximum load rating of 12 amps.

Risk of electrical shock. Do not plug the power cord into another extension cord or relocatable power tap.

Do not unplug this product from the outlet when your hands are wet.

Do not plug the unit in if the switch, receptacle(s) or power cord has been damaged.

Contact Bretford before attempting to make any type of electrical repair or parts replacement.

Caution Ventilation is critical for PowerSync Pro products to operate correctly, Do not block the ventilation holes on the unit. Proper air flow is required for safe operation of equipment.

Install and operate the tray in an environment compatible with the maximum ambient temperature of 25° C or 77° F.

This product it is not designed for outdoor use.

Liquids should not be stored in, set on or placed inside this unit.

Product must be plugged into socket with an earthing connection.

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