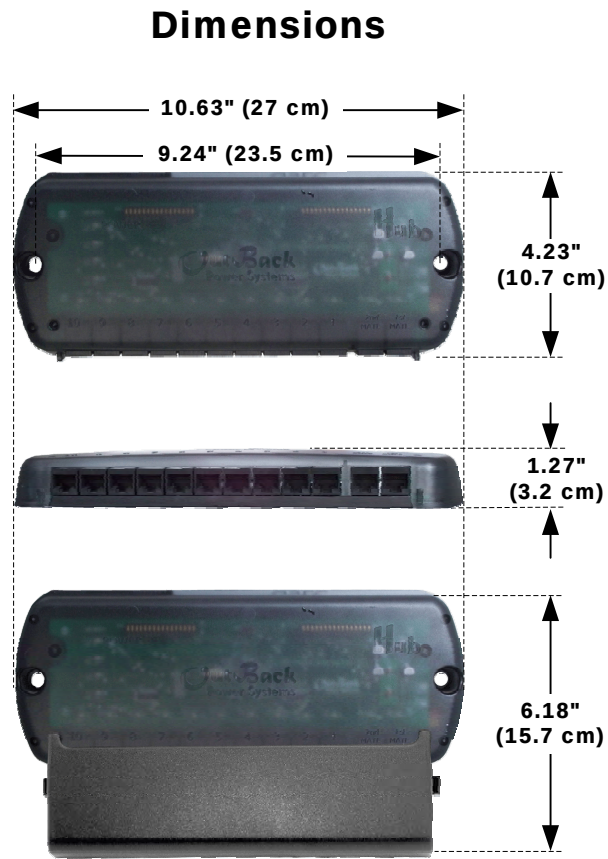


Parts List	
HUB10.3	HUB Wiring Cover
#10 x 1/2" Screws x 2	Cable, CAT5e, 3' (1 m) x 2
Shutter Bushing x 2	Cable, CAT5e, 6' (2 m) x 3
Snap Bushing x 2	Cable, CAT5e, 10' (3 m) x 4

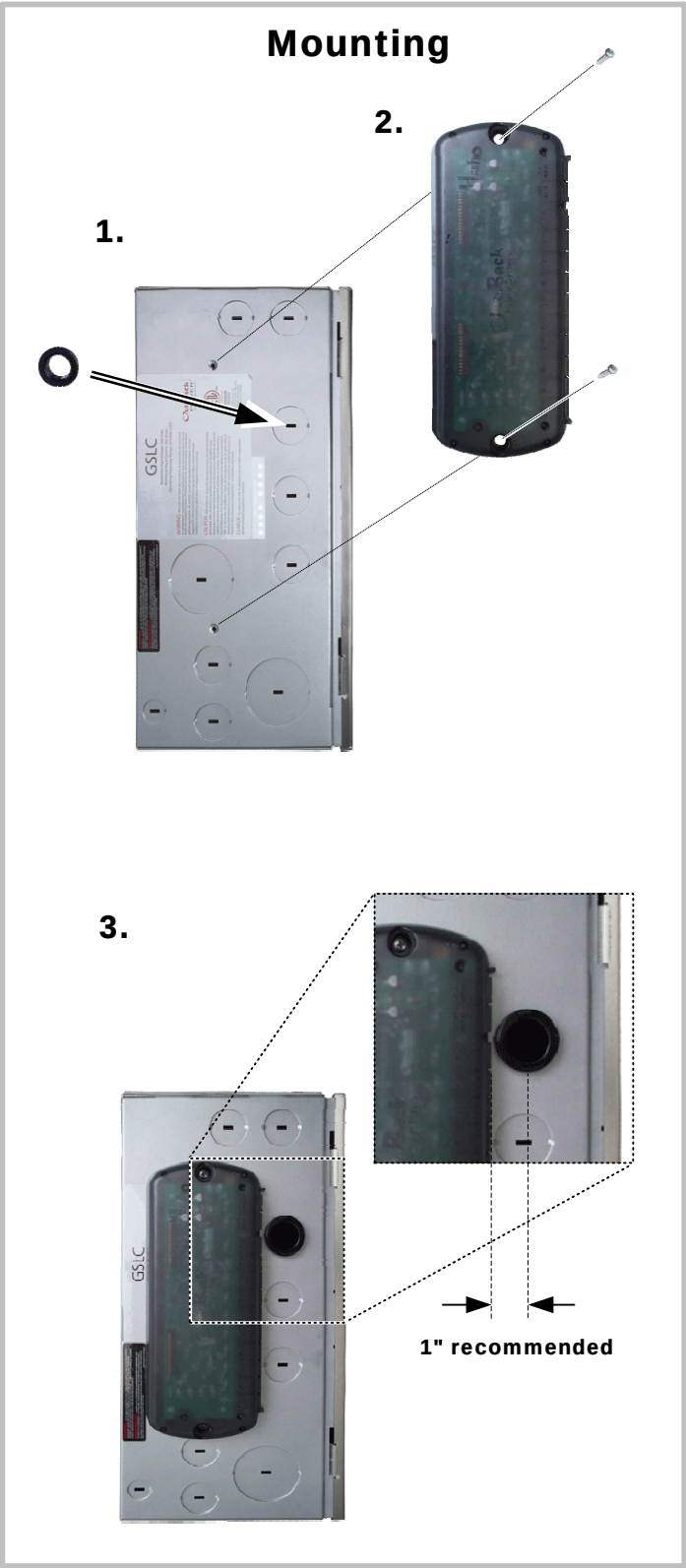


Contact Technical Support:
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Website: www.outbackpower.com



IMPORTANT:
Not intended for use with
life support equipment.

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Changing Jumpers

1. Back of HUB 10.3

2.

3.

4a.

Used for Subphase Master stacking in FX and GS inverters (both three-phase and series configurations).
For these applications, place all jumpers in the positions noted in the photograph and the diagram.
NOTE: This option requires MATE3 firmware revision 002.013.000 or higher.

4b.

This is the factory-installed initial position. Used for classic series, OutBack series, and parallel stacking. Also used for three-phase OutBack stacking with models GVFX(E) and GTFX(E).
For these applications, place all jumpers in the positions noted in the photograph and the diagram.

4c.

Used for three-phase OutBack stacking with FX, VFX, FX(E) or VFX(E) inverters.
For these applications, place *only two jumpers* in the positions noted in the photograph and the diagram.
Remove all remaining jumpers. No others are used for this configuration.

Jumper position identified by MATE3 on power-up:

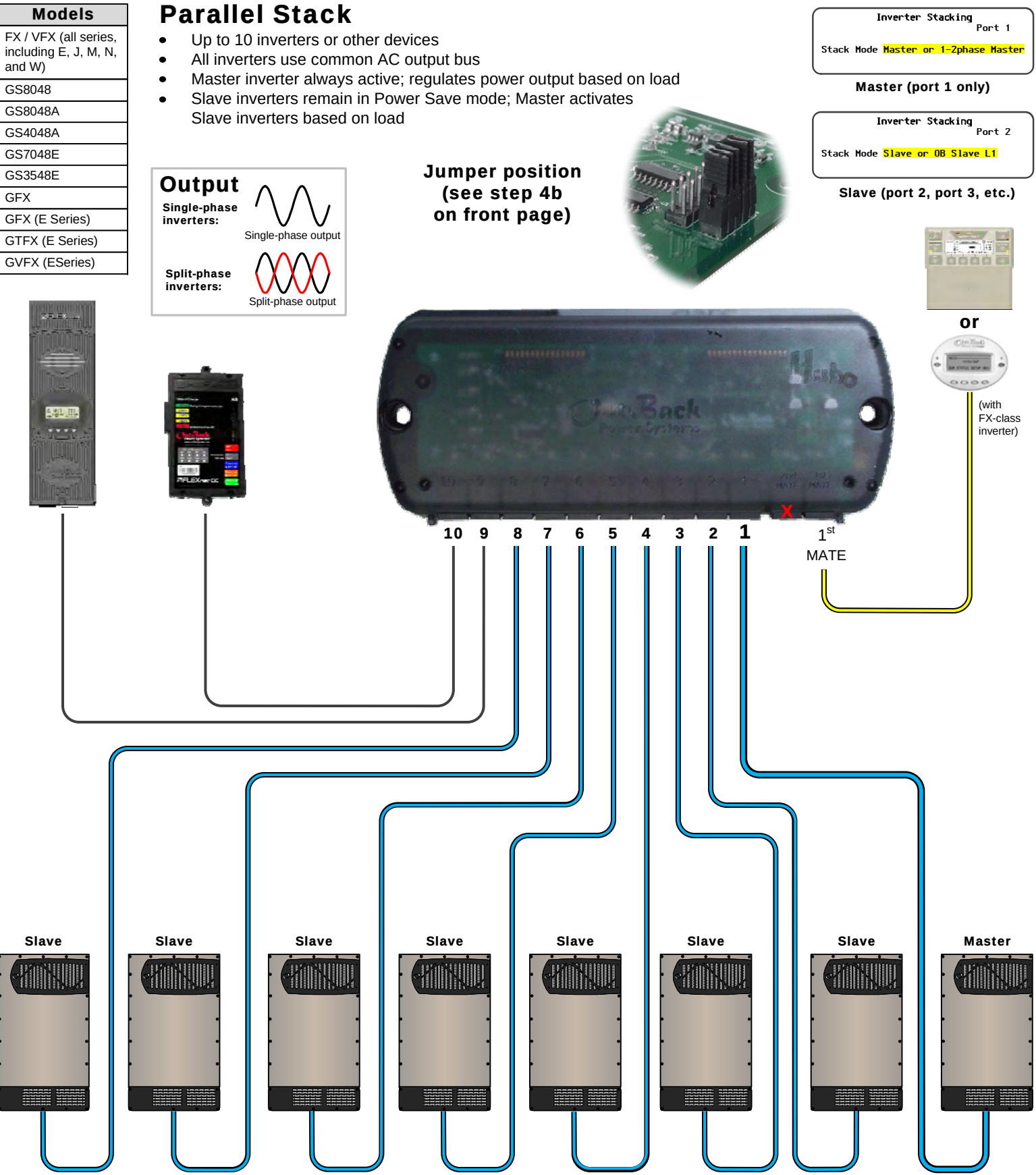
Searching for Devices
Found
HUB10.3

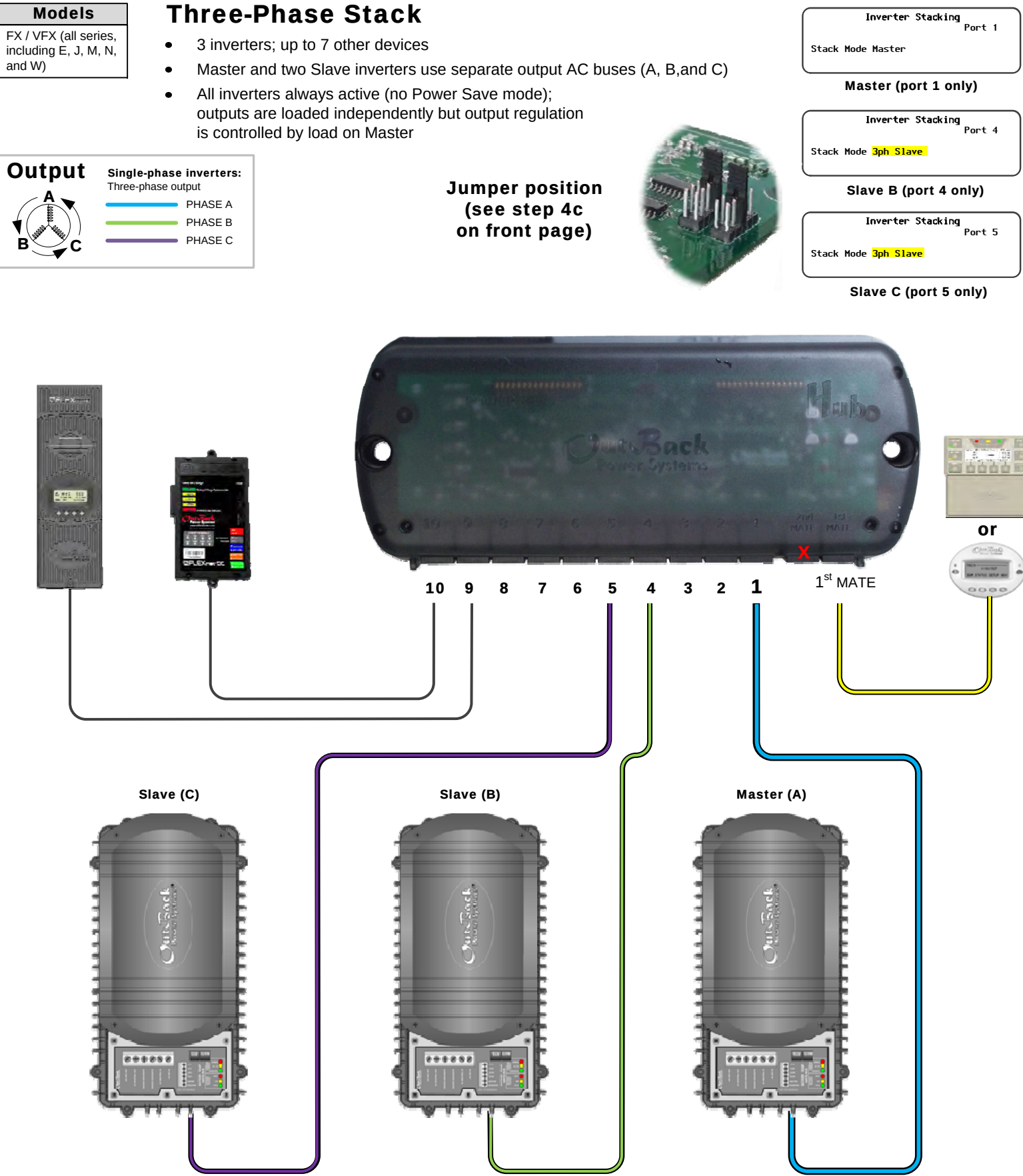
Jumper position identified by MATE3 on power-up:

Searching for Devices
Found
HUB10.3

Jumper position identified by MATE3 on power-up:

Searching for Devices
Found
HUB10.3 Sub-phase Master





Models

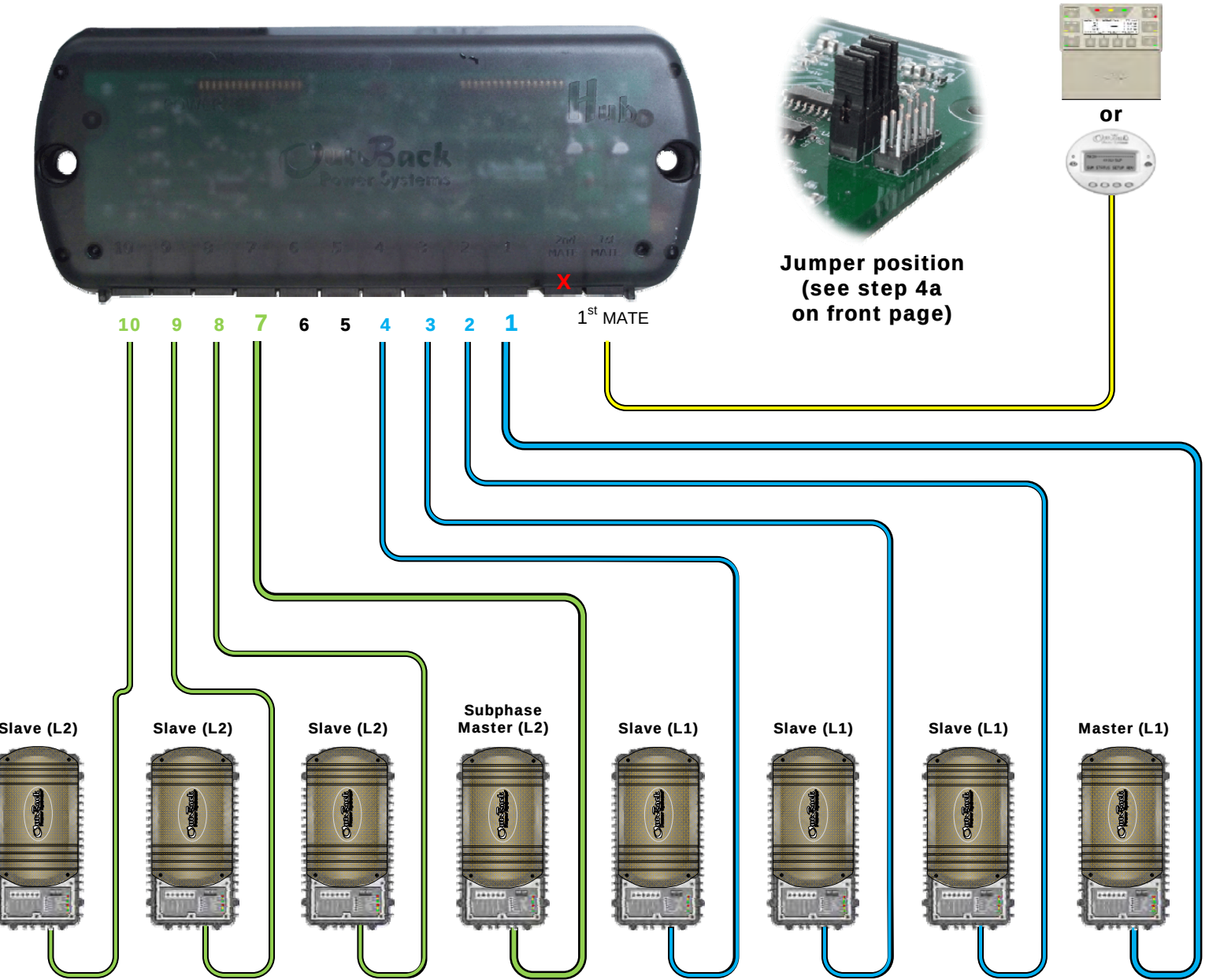
GFX

Output

Single-phase inverters:
Split-phase output

Series Stack (Subphase Master)

- Up to 8 inverters (ports 1 to 4, 7 to 10); 2 other devices (ports 5, 6); No balancing transformer required
- Master inverter and half of the Slave inverters use common output AC bus (L1); ports 2 to 4 are L1 slaves
- Subphase Master inverter and half of the Slave inverters use a separate common AC bus (2); ports 8 to 10 are L2 Slave inverters despite the screen selection (OB Slave L1)
- Port 7 is the L2 Subphase Master despite the screen selection (Classic Slave); this port is required regardless of the number of Slave inverters
- Master and Subphase Master are always active; each type of Master regulates output based on its own load
- Slave inverters remain in Power Save mode; Master activates L1 Slave inverters based on its load, while the Subphase Master **independently** activates L2 Slave inverters based on its own load



Models

GS7048E
GS3548E
GFX
GFX (E Series)

Output

Single-phase inverters:
Three-phase output
PHASE A
PHASE B
PHASE C

Jumper position
(see step 4a
on front page)

Three-Phase Stack (Subphase Master)

- Up to 9 inverters (ports 1 to 9); 1 other device (port 10); MATE3 only
- Master inverter (required on port 1) and up to two Slave inverters (ports 3 & 3) use Phase A output AC bus
- Subphase Master inverter (required on port 4) and up to two Slaves (ports 5 & 6) use Phase B output AC bus
- Subphase Master inverter (required on port 4) and up to two Slaves (ports 8 & 9) use Phase C output AC bus
- Phase A, B, and C Slave inverters should be equal in number; Slave selection screen may display **Slave** but could display **OB Slave L1** depending on model
- Master and Subphase Masters are always active; each type of Master regulates output based on its own load
- Slave inverters remain in Power Save mode; the Master activates Phase A Slave inverters based on its load, while the Subphase Masters **independently** activate Phase B or C Slave inverters based on their own loads

