

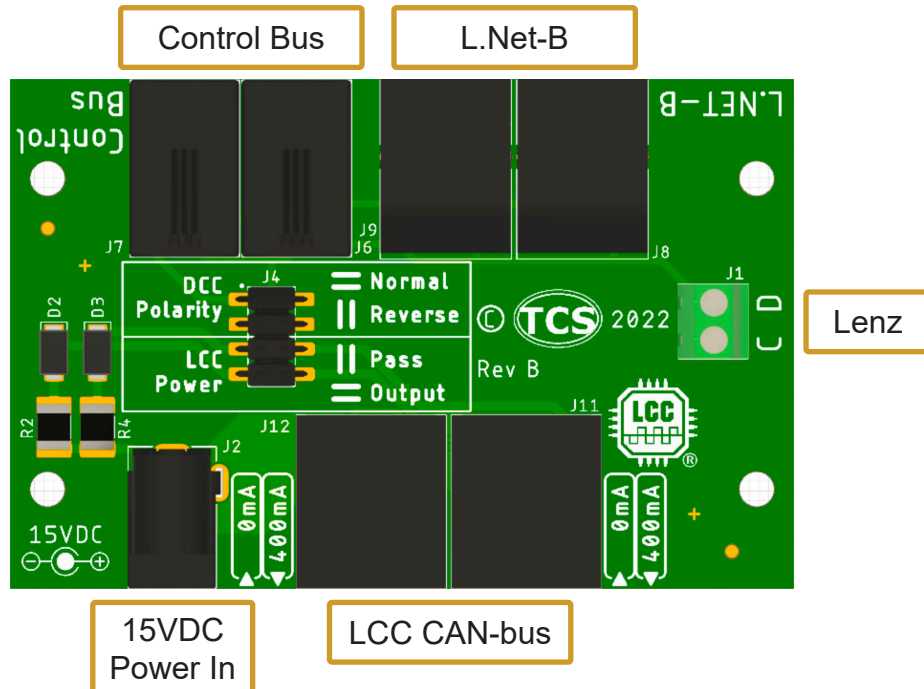
Booster Adapter

The BA-100 “Booster Adapter” is a product which can be used to adapt different manufacturers’ DCC boosters (and command stations) together. This product is intended to offer a quick and easy way to “plug and play” command stations and boosters. Whether upgrading a booster network, command station, or both, the Booster Adapter can help make setup quick and painless!

The BA-100 Booster Adapter has on-board plug and terminal connections for:

- LCC CAN-bus
- NCE “Control Bus”
- Digitrax “L.Net-B”
- Lenz “CD”

Product Dimensions 2” x 3.25” x 0.6” (52mm x 80mm x 16mm)



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Jumpers	Description
DCC Polarity	This jumper pair may be rotated in order to flip the track output phase of the DCC signal between the LCC CAN-bus and the Control Bus / L.Net-B / CD. This will result in the track output phase of Control Bus / L.Net-B / CD boosters being flipped relative to boosters on the LCC CAN-bus. This is useful when mixing LCC and non-LCC boosters. If a short circuit is observed when crossing between LCC and non-LCC booster boundaries due to a phase difference, this is an alternative to manually flipping the track wiring at the track outputs.
LCC Power	This jumper pair determines how power will be routed between the two LCC RJ-45 jacks (Pin 8 in the LCC CAN-bus Standard S-9.7.1.1). The Pass setting connects pin 8 of the two LCC jacks together so that power passes between them. The Output setting disconnects pin 8 from passing between the two LCC jacks and requires an external 15VDC power supply in order to feed up to 400mA of current independently into each LCC jack.

Some use cases for the Booster Adapter include:

- Connecting a CS-105 to NCE Booster(s)
- Connecting a CS-105 to Digitrax Booster(s)
- Connecting a CS-105 to Lenz Booster(s)
- Connecting a Digitrax command station to NCE Booster(s) (and vice versa)
- Connecting a NCE command station to TCS Booster(s)

And many more combinations!

The BA-100 can also provide power for other LCC devices distributed around your layout using the on-board barrel jack and an external 15V power supply (not included).

More information than can fit in this guide can be found online!

To read our comprehensive documentation, visit docs.tcsdcc.com/wiki/Booster_Adapter or use this QR code:



BA-100 Product Guide Rev B
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