

## ...Using an Orbital Thru Tee...



## ... to Circumvent a Divider or Switch

It is possible that you have a modem with insufficient DC to power a BUC or BUCs.

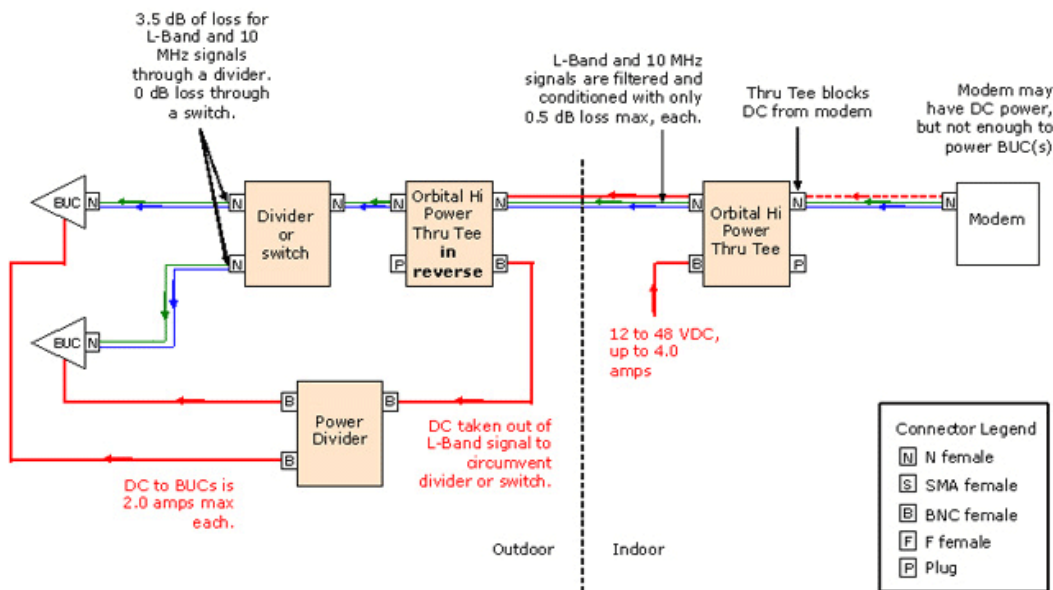
Here, you can use the Orbital Hi Power Thru Tee to block the DC from the modem, insert up to 4 amps at up to 48 VDC inside, use a Hi Power Thru Tee in reverse outside to pass the L-Band and 10 MHz signals outside, while the DC is routed through a power divider to feed each of the BUCs.

In the case of a switch being used for the L-Band and 10 MHz signals, power is still provided to each BUC through the power divider, but only the BUC receiving the 10 MHz reference will be active.

If the 10 MHz signal cannot handle a 3.5 dB loss from the Divider or switch, then it can be routed around along with the DC, but then a Mux/Tee is needed for each BUC to reinsert it. Unless the BUC also has a 10 MHz input connector.

Orbital modular designs permit easy access to each signal port for diagnostics, testing, and

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### Signal Line Legend

— DC Power