Thank you for purchasing a TAPR product. The associated software and directions can be obtained from the web. Here is some basic information and a link to the documentation:

<https://web.tapr.org/~n8ur/TADD-3_Mini_Manual.pdf>

The **TADD-3 Mini** is a distribution amplifier for digital pulses. Its primary use is to distribute pulse-per-second (“PPS”) signals such as those obtained from GPS timing receivers. It is available in versions with SMA or BNC output connectors; the input connector is SMA on both.  The board has all surface mount components installed; the user must solder the input, output, and power connectors, and the option jumpers.

The TADD-3 Mini has 4 outputs with coax connectors as well as provision to install an LED.  Its input and outputs operate at either 3.3 or 5.0 volt logic levels, set by a jumper.  With 5 volts, it delivers greater than 3.5 volts into a 50 ohm load, with rise time of less than 3ns.

The SMA board is 2.5 x 3.0 inches (63.5 x 76.2 mm) and the BNC board is 2.5 x 3.75 inches (63.5 x 95.25 mm).  It requires a minimum DC input of about 5.5 volts (for 3.3 volt logic levels) or 7 volts (for 5 volt logic levels), and a maximum of 15 volts.  Power consumption without loads is less than 20 ma.

Two or more TADD-3 Minis of either or both types may be stacked to create 8 or more outputs from a single input.

How is the TADD-3 Mini different from the original TADD-3?

* 4 outputs instead of 8 (and no RS-232 outputs)
* One input rather than two
* SMA input connector
* Input is logic gate only; no comparator option
* Inverted outputs not available
* 3.3 or 5V logic level
* Smaller

Manual: <https://web.tapr.org/~n8ur/TADD-3_Mini_Manual.pdf>

Contact us at [**contact@tapr.org**](mailto:contact@tapr.org) for assistance, help or troubleshooting.

Best Regards, TAPR