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:

## The **TNS-BUF Isolation Amplifier**

The **TNS-BUF Isolation Amplifier** is a very low noise, high isolation, buffer amplifier for use in time and frequency measurement applications where it is important to isolate signals without adding noise. The main purpose of the TNS-BUF is to look as much as possible like a one-way piece of wire at RF frequencies.

It is designed for use at 5 or 10 MHz, but will work with some loss of gain from 1 MHz to at least 50 MHz.

The TNS-BUF circuit was designed by Dr. Bruce Griffiths, and John Miles, KE5FX, provided valuable input on both schematic and layout.

The TNS-BUF is built on a 1.75 x 3.75 inch board using 0805 size surface mount components. In the picture above, the SMA connectors are mounted on the reverse side of the board.

Manual: <https://web.tapr.org/~n8ur/TR-Plus_Manual.pdf>

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

Best Regards, TAPR