

## OTDR-1000 Firmware Update Instructions

### Before starting

1. You will need:
  - a. MicroSD card with at least 2 MB of storage
  - b. Computer/laptop with SD card slot and SD/microSD card adapter
    - i. If using a desktop computer, a SD/MicroSD USB adapter might be required
  - c. OTDR-1000 with at least 50% charge
    - i. **Important:** Make sure the OTDR-1000 has at least 50% charge, or the update will not work correctly.

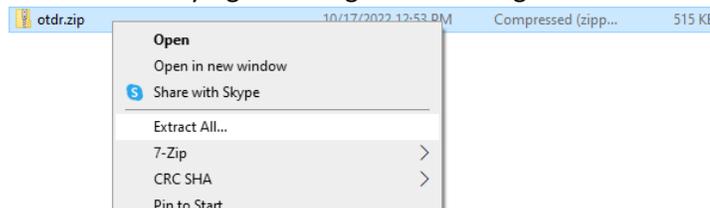
### Downloading & Installing the Latest Firmware Update

1. Download the latest firmware update under the “Downloads” section of:  
<https://jonard.com/otdr-1000-otdr-fiber-optic-reflectometer-vfl-opm-ols-event-map-more?v=1060>

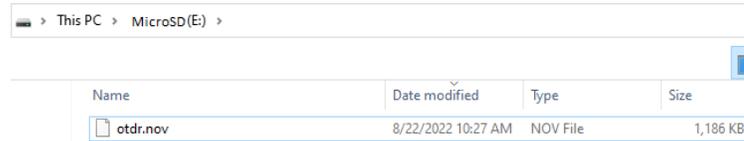
The screenshot shows the Jonard Tools website for the OTDR-1000. The page includes a navigation bar, a search bar, and a main content area. The main content area features a large image of the OTDR-1000 device, a list of features, and a 'Downloads' section. A red arrow points to the 'OTDR-1000 Firmware Update' link in the Downloads section.

FUNCTIONS	DESCRIPTION
OTDR	Maps fiber optic cables and can illustrate the termination quality and location of faults that may affect network performance.
EVENT MAP	Provides an easy-to-understand view of each required event, giving the user for individual components.
OPTICAL POWER METER (OPM)	Measures the relative power of fiber optic cables.
VISUAL FAULT LOCATOR (VFL)	Illuminates any faults within a fiber optic cable for maintenance and repair.
OPTICAL LIGHT SOURCE (OLS)	Provides a stable light source of varying wavelengths to be used with the OPM.
CABLE LENGTH MEASUREMENT TOOL	Measures the length of network cables.
CABLE TRACKER	Can be used to track and trace a terminated network cable.

2. Next, extract the “otdr.nov” file by right clicking it and clicking on “Extract All”:



3. Connect your MicroSD card to your computer via SD/microSD card adapter.
  - a. **Note:** To ensure a successful update, it is recommended to use a blank microSD card.
4. Copy the “otdr.nov” file onto the root of your MicroSD card.



5. Disconnect the MicroSD card from your computer.
6. Power ON the OTDR-1000
7. Insert the MicroSD card into the OTDR-1000's microSD card slot.
  - a. **Note:** The MicroSD card only goes in one direction, with the contacts facing the screen
8. Enter the **System** module of the OTDR-1000



9. Press the **F3 Key** and hit “OK” to start the update



10. The firmware update may take up to 15 minutes. When it is complete, restart the unit and disconnect the microSD card.