



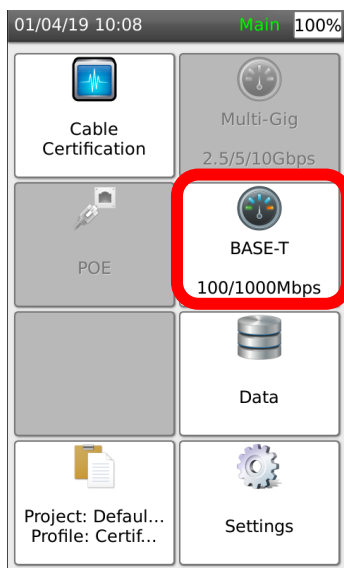
Testing Ethernet Networks

This article describes how to test a link attached to an active Ethernet device, in order to measure the combined performance of the link and the device. Every TestPro comes with the capability of testing links and devices at 10Mbps, 100Mbps and 1Gbps Ethernet. If you have the Gigabit option and AD-NETCABLE adapter, you can go further and test to 2.5, 5 and 10Gbps.

Part 1: Basic testing to 1Gbps

1. Select BASE-T

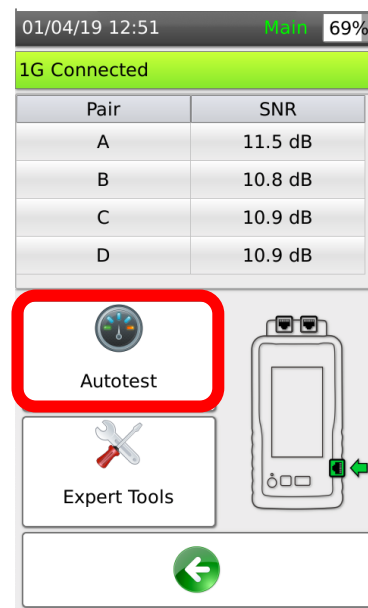
Power ON TestPro. From the Home Screen, press the BASE-T icon



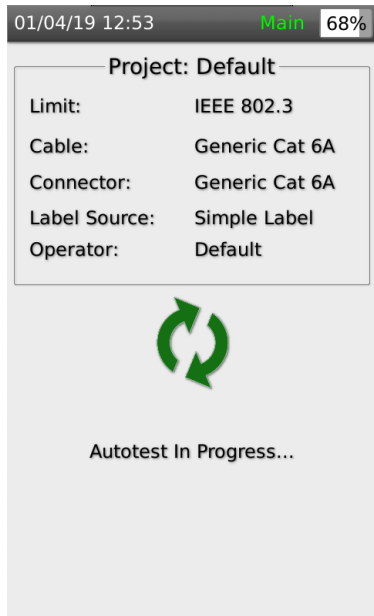
Remember to use the side port on the unit for this test.

2. From the BASE-T screen, select Autotest.

Note that if a valid device is detected at the far end, it will connect automatically

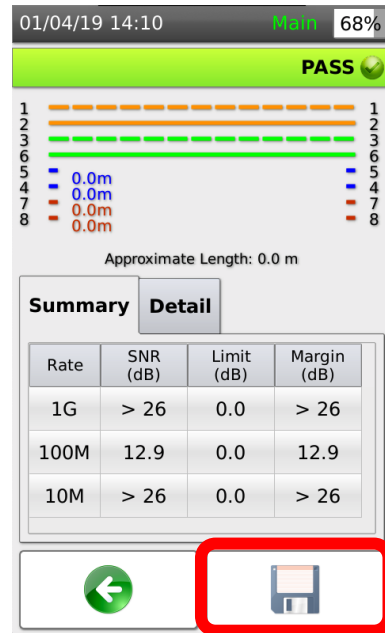


3. Test in progress screen



4. Test Result Screen

Note the signal to noise ratio is given for each speed. The greater the SNR the better. To see per pair detail, press Detail



In this example the TestPro was connected to a 100Mbps Ethernet port

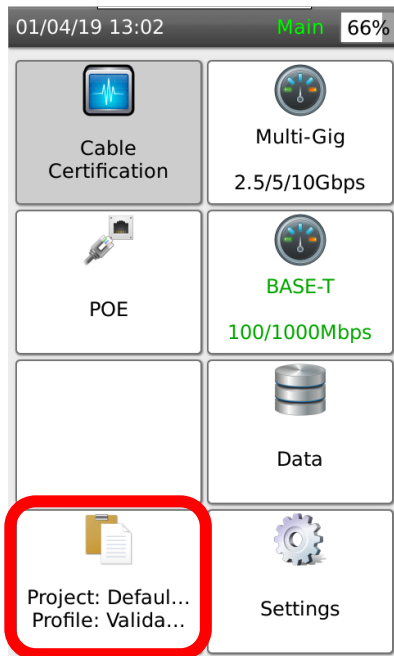
Note that wiremap and length is also reported. Save results if desired

Part 2: High speed testing to 10Gbps

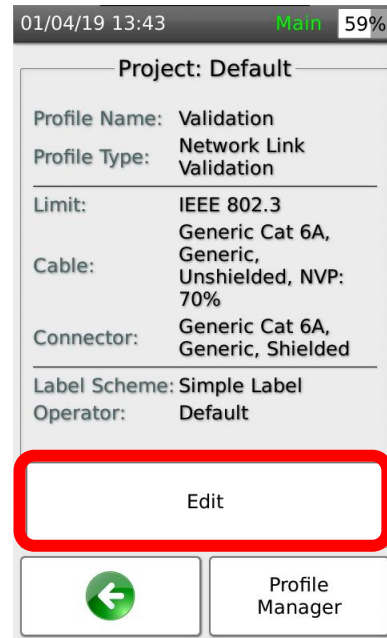
This test requires the AD-NETCABLE adapter. Connect the MAIN unit to a cable leading to an active Ethernet device

NOTE: if you know the Ethernet switch is limited to 2.5G, you can save test time by deselecting inapplicable speeds. To do this:

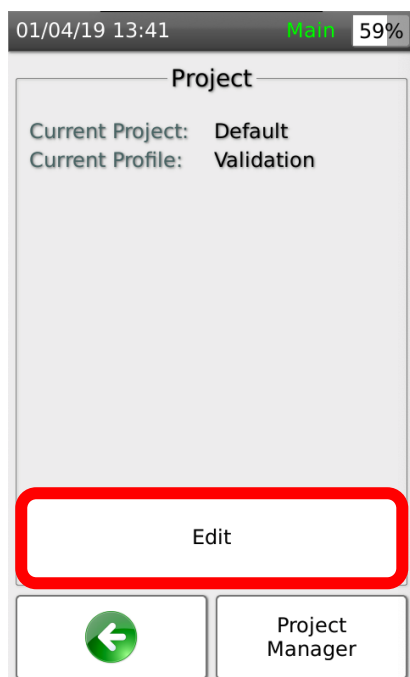
1. Press the Project icon



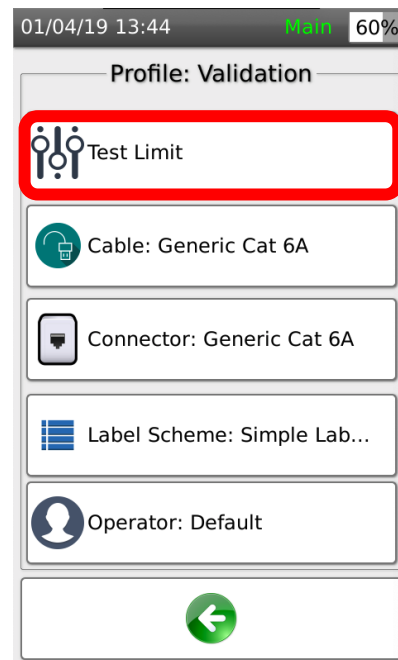
3. Press Edit



2. Press Edit

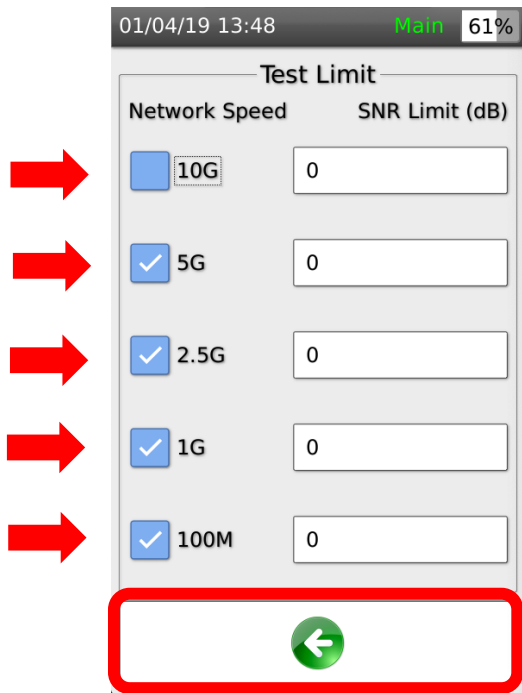


4. Press Test Limit

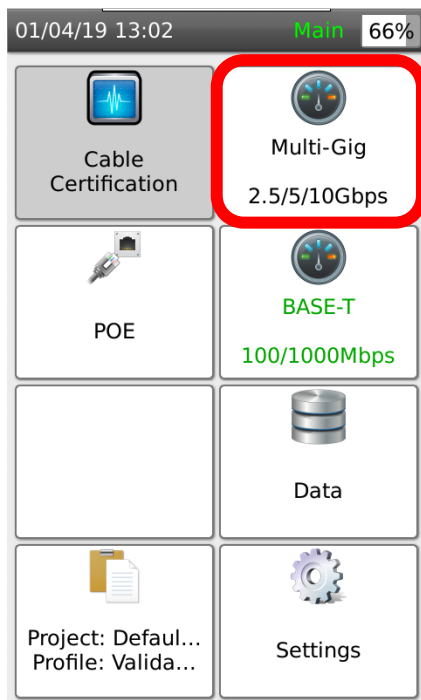


5. Modify the Test Limits as desired.

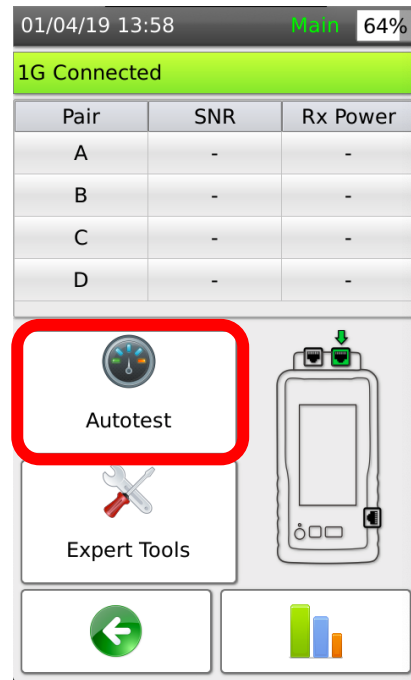
Press return until back at main menu



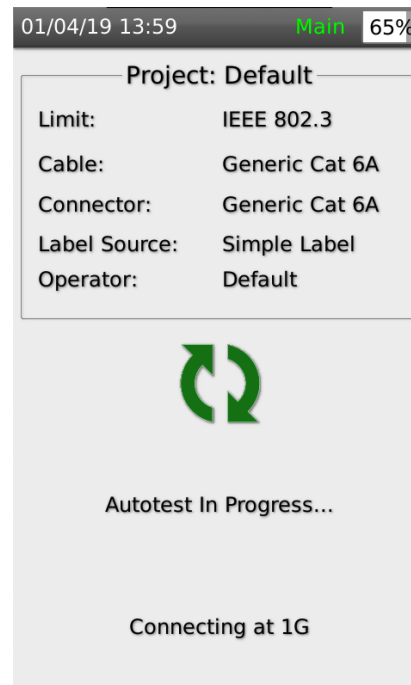
6. Press Multi-Gig



7. Press Autotest



8. Note the test will cycle from 100Mbps to highest limit set



9. Test results displayed

