Remote Calibration

The Autotest is the function users run most frequently. The Autotest function is designed to provide certification testing of installed cabling.

Before you run the Autotest, however, it is important to verify that you have properly prepared the WireScope/FrameScope 350 for your certification project.

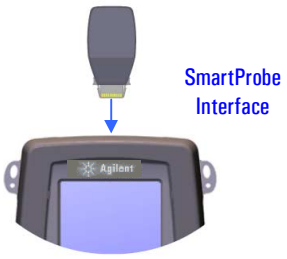
Before you begin testing, it is necessary to calibrate the WireScope/FrameScope and DualRemote pair that you will use. Remote calibration is a process that allows the WireScope/FrameScope to compensate for any slight anomalies in its measurement hardware or that of the companion DualRemote unit.

Connect the WireScope/FrameScope 350 and DualRemote 350 per either of the configurations below.

If you are testing link configurations to Category 6 / Class E or higher, Agilent Technologies recommends that you use the precision calibration cable, as this produces the most accurate calibration.

From the main menu screen, press **Calibration**. Follow the instructions to complete the calibration process.

Test Probes



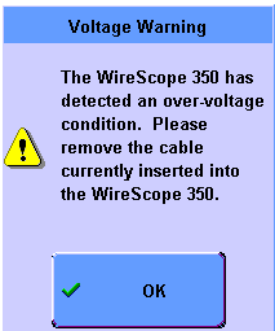
SmartProbe Port Interface

The WireScope/FrameScope 350 uses test probes to connect to the cabling runs that it certifies. All WireScope/FrameScope 350 test probes attach though the SmartProbe port at the top of the WireScope and DualRemote enclosures. The SmartProbe port provides high performance for test signal transmission, power to support active probes, and a two-way control interface between the tester and the test probe. A variety of test probes are available, including SmartProbes that track usage and configuration data.

WireScope probe configuration warnings

Because it is important to use the correct test probes in order to achieve optimal measurement results, particularly for category 6 installations, the WireScope 350 warns you whenever it detects a potential conflict between the detected probe and any of the test settings. This you to avoid wasting time testing with the wrong probes or with the wrong tester settings.

If the WireScope detects an over-voltage condition at the SmartProbe port, it displays an error message An example of this warning is provided below:

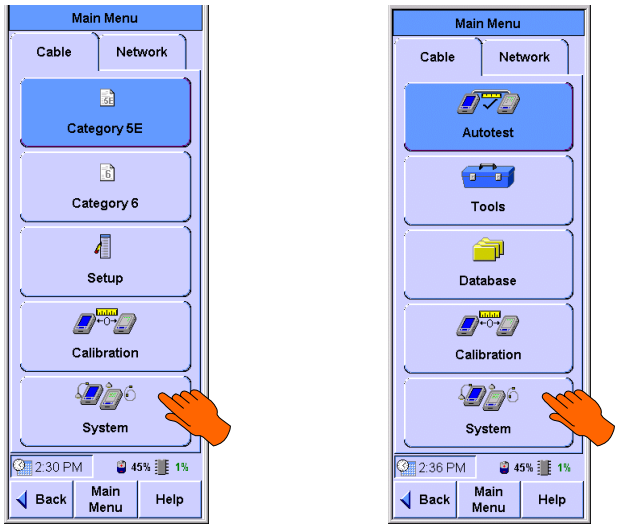


If the DualRemote detects an over-voltage condition at the SmartProbe port, the overvoltage LED is lit.

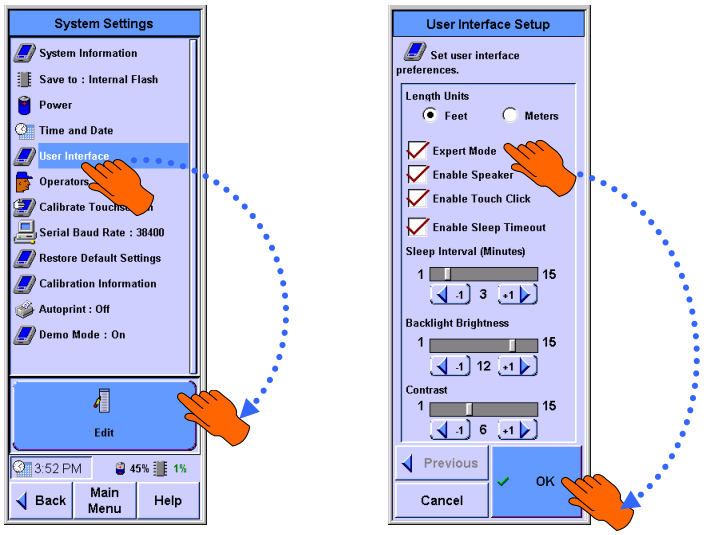
CAUTION: ***Do not connect WireScope test probes or test cables to a voltage source, such a telephone jack. Excessive voltages can damage WireScope probes and/or the WireScope 350 analyzer and void your warranty.***

Quick Start Guide

You can use the WireScope/FrameScope 350 with basic settings. To do this for link or channel tests, insert the required Basic Link or Channel Adapters as required in both the WireScope 350 and DualRemote 350. Then, turn both units on and calibrate as previously directed. Software Version 3.0 and higher has two modes of user interface operation, normal and expert and supports both FrameScope 350 and WireScope 350. If your unit is a WireScope, tabs at the top of the screen will not be present. The normal mode is shown on the left below and expert mode is shown on the right.



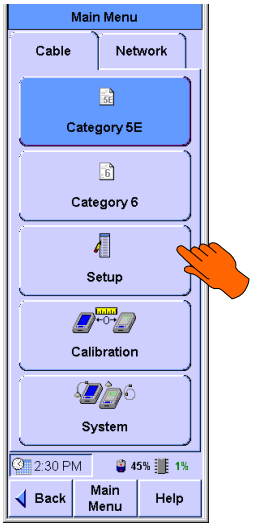
To change from one mode to the other tap System, which brings up the System settings screen, where you will tap User interface and Edit to bring up the User Interface Setup screen. Tap Expert Mode to turn on and off Expert Mode, then OK and Main Menu.

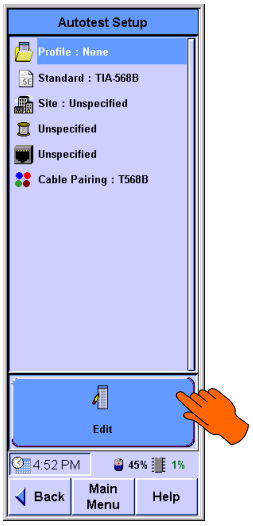


Note that the software Contrast setting may not be available on your unit depending on the version of hardware.

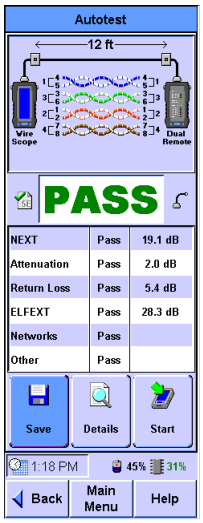
Normal Mode

If your unit is in normal mode user interface, the Main Menu screen will have a button for either Class D/Category 5E or Class E/Category 6 testing unless a specific profile is selected. Before testing, tap Setup to bring up the Normal Mode Autotest Setup screen.



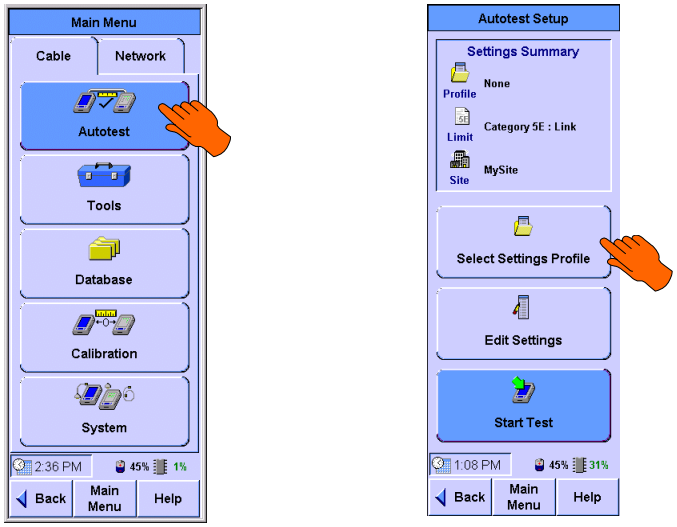


Your setup choices in the normal mode are restricted to profile, standard, site, cable type, connector type, and cable pairing. If you are testing an unknown cable, you may leave them all at the default except for the standard choice, which should match your requirements. Testing is as simple as tapping the category or class you want to test. After the test is completed the Autotest result summary screen is displayed. At this point you can **Save** the test data, review **Details** of the test, or **Start** a new test by tapping the Start button on the summary screen.

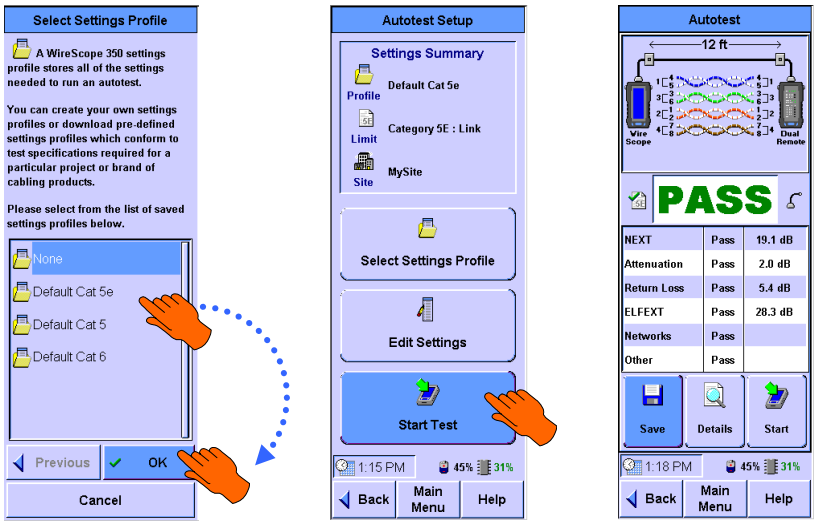


Expert Mode

Starting at the Main Menu, tap **Autotest**. This brings up the Autotest Setup screen.



Tap **Select Settings Profile**. The Select Settings Profile screen is displayed, enabling you select a stored profile. For our example, select Default Cat 5e.
Click **OK** to return to the Autotest Setup screen. Connect the WireScope 350 and the DualRemote 350 to the cable to be tested. Then tap **Start** to begin the test. The Autotest result summary screen is displayed. At this point you can **Save** the test data, review **Details** of the test, or **Start** a new test by pressing the Start button on the summary screen.



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