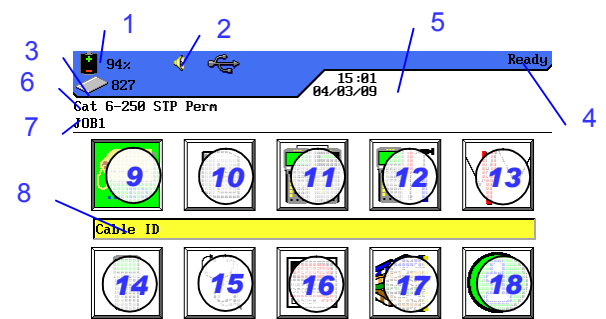


Power Up

Press the ON/Off key to turn on the Display Handset(DH)

Main Display



- 1 Battery Indicator
- 2 Talk Set Indicator
- 3 Memory Indicator
- 4 Screen Title
- 5 Date And Time
- 6 Test Standard
- 7 Active Project Title
- 8 Selected Function
- 9 Cable ID Icon
- 10 File Icon
- 11 Field Calibration Icon
- 12 Preference Icon
- 13 Tone Generator Icon
- 14 Instrument Inf. Icon
- 15 Analyze Icon
- 16 Fiber Optics Icon
- 17 Cabling Type Icon
- 18 Help Icon

Softkeys

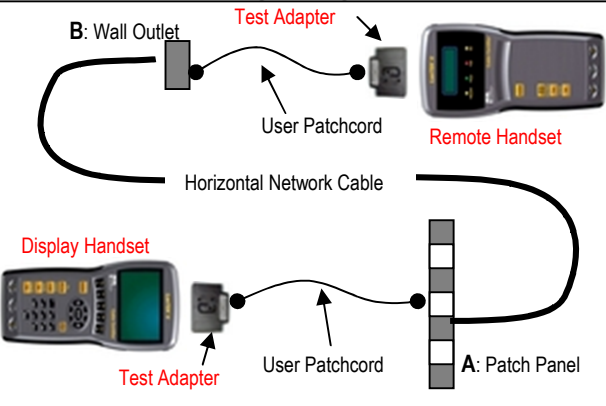
Function keys

Five function keys positioned directly below the display allow the user to select a soft key action on the color display.

Overview of Link Testing Requirements

The following section describes a typical setup for permanent link testing for twisted copper cables only. For specific requirements for channel, fiber, coax and other special cable testing, please refer to the user manual. A permanent link consists of up to 90 meters of horizontal network cabling. The permanent link (shown below, from A to B) is used to certify the horizontal network cable installation before network connection and user hookup take place. The Permanent Link Test excludes adapters, patchcords and jumpers.

Permanent Link Testing Configuration

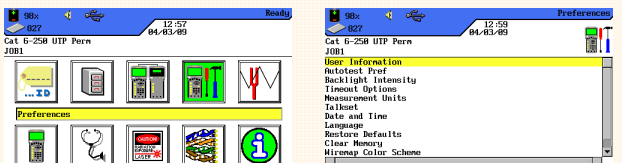


LANTEK II Setup Procedure

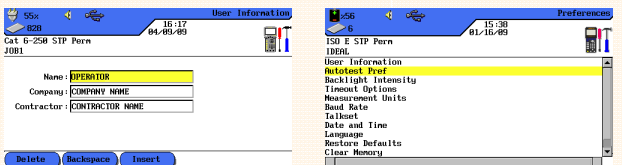
The following procedure will show you step-by-step how to setup test Preferences, specify Cabling Type to test, setup Cable ID, Project Naming and Selection. After completing the LANTEK II Field Calibration procedure, you are all set to start testing using single button AUTOTEST on the Display or Remote Handsets.

- Section 1: Preference Setup
- Section 2: Cable ID Setup
- Section 3: Job Naming & Selection
- Section 4: Cabling Type Setup
- Section 5: Field Calibration

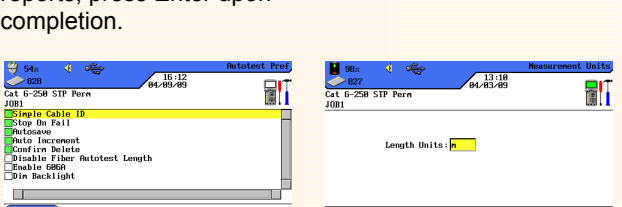
Section 1: Preference Setup



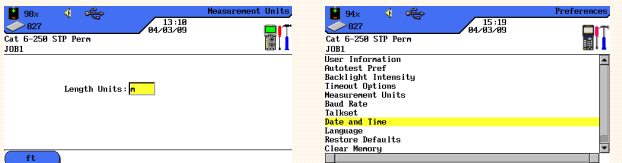
- 1. Highlight Preferences icon, press Enter.
- 2. Highlight User Information and press Enter.



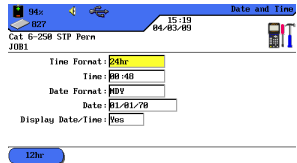
- 3. Enter appropriate information, it will be reflected in the tests reports, press Enter upon completion.
- 4. Press down arrow to highlight Autotest Pref, press Enter.



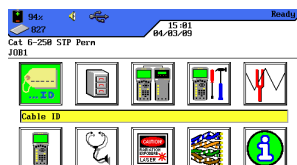
- 5. Make changes as required, press Enter.
- 6. Highlight Measurement Units, press Enter.



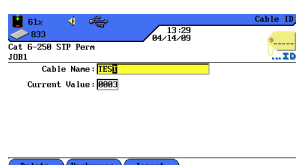
- 7. Press F1 to toggle between meter and feet, or press Enter.
- 8. Highlight Date and Time, press Enter.



Section 2: Cable ID Setup

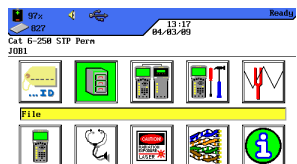


- 10. Highlight the Cable ID icon, press Enter.

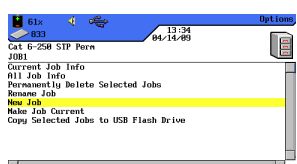


- 12. Enter cable name and Current Value, use arrow buttons to go between Cable Name & Current Value, press Enter.

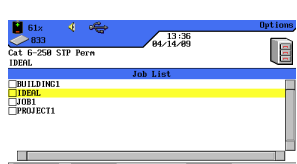
Section 3: Stored Tests, Project Naming and Selection



- 14. Highlight FILE and press Enter.

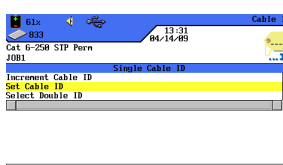


- 16. Highlight New Job and press Enter.



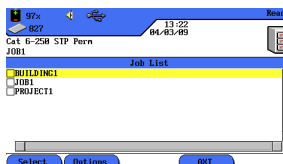
- 9. Adjust date, time and display format if necessary and then press Enter.

- 11. Highlight Set Cable ID, press Enter.
- 13. The display will revert to the previous screen, Current Value is updated, press Escape.

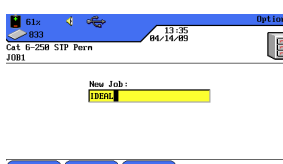


- 12. Enter cable name and Current Value, use arrow buttons to go between Cable Name & Current Value, press Enter.

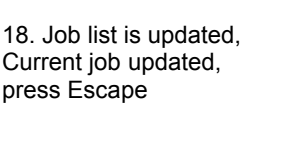
Section 3: Stored Tests, Project Naming and Selection



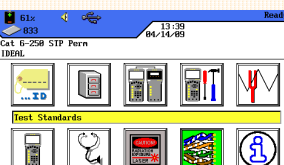
- 14. Highlight FILE and press Enter.



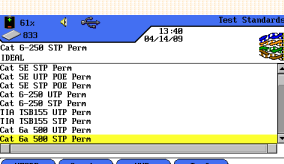
- 16. Highlight New Job and press Enter.



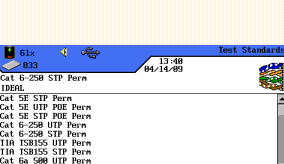
Section 4: Cabling Type Setup



- 19. Highlight Cable Type icon and press Enter.



- 21. Highlight desired Cable Test Standard.

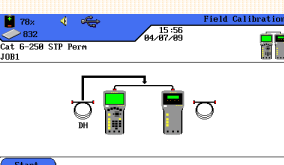


- 22. If necessary, press F3 (NVP) to adjust the NVP value. Press ENTER.

Section 5: Field Calibration

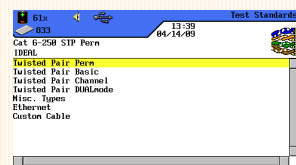


- 24. Highlight the Field Calibration icon, press Enter.

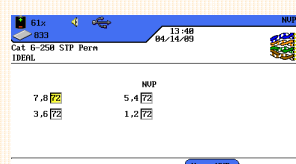


- 26. Disconnect Remote Patchcord, connect Display Patchcord between units, press F1.

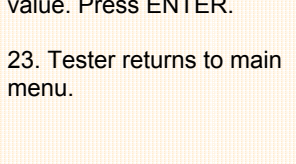
If the calibration fails at one of the steps, please check test cables and adapters.



- 20. Highlight Twisted Pair Perm, press Enter.

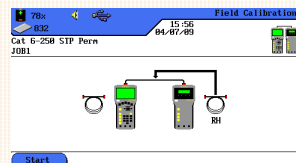


- 22. If necessary, press F3 (NVP) to adjust the NVP value. Press ENTER.

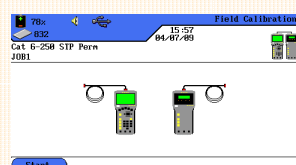


- 23. Tester returns to main menu.

Section 5: Field Calibration

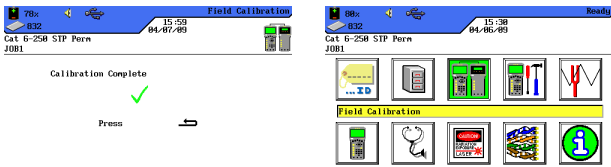


- 25. Connect Remote Patchcord between the two units, press F1.



- 27. Disconnect Display Patchcord from Remote Handset, Connect Remote Patchcord to Remote Handset, press F1 on Display Handset, press Autotest on Remote Handset.





28. Calibration Complete, press Escape.

29. Tester is now setup for testing.

Pass/Fail Reporting

You are now ready to perform an AUTOTEST on the cable you have setup.

Overall Test Results

- ✓ Link passed the test
- ✗ Link failed the test

Note: A ✓* or ✗* means that one or more individual tests are closer to the limit line than the accuracy of the tester. In that case, the tester can not clearly determine, if the parameter passes or fails.

Cable & Network Standards Table

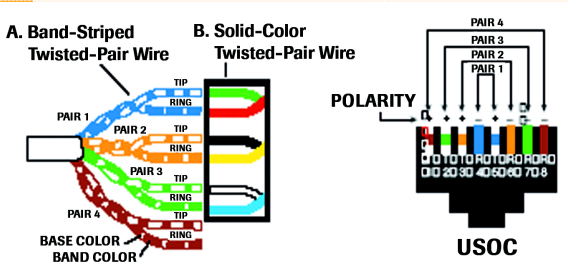
Supported Network Application	Cabling Standard	Operating Frequency	Wire used	Cabling Bandwidth
10Base T	CAT3 ISO C	10 MHz RX on 3,6	TX on 1,2 RX on 3,6	16 MHz
100Base-TX	CAT5 ISO D	80 MHz RX on 3,6	TX on 1,2 RX on 3,6	100 MHz
1000Base-T	CAT5E ISO D	80MHz (half duplex)	TX & RX on all 4 pairs	100MHz
1000Base-TX	CAT6 ISO E	250 MHz (full duplex)	TX & RX on all 4 pairs	250MHz
10GBase-T	CAT6A ISO EA	465MHz	TX & RX on all 4 pairs	500MHz

SAFETY WARNINGS

PLEASE ALSO READ THE MANUAL FOR A FULL LIST OF SAFETY WARNINGS. USE THE EQUIPMENT ONLY AS SPECIFIED IN THE MANUAL!

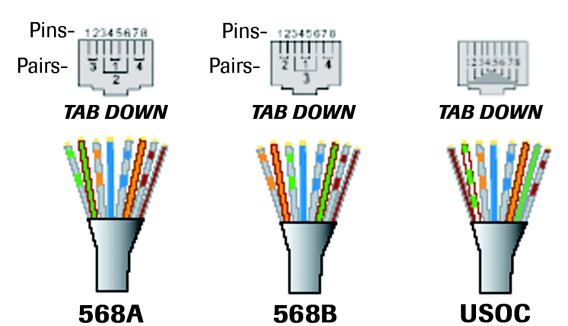
WARNING	RISK
Do not throw batteries into fire or water and do not short-circuit the batteries' electrical contact. Do not disassemble.	Batteries could explode, resulting in serious injuries of persons.
Do not short-circuit charging devices or batteries.	Devices could explode or excessively heat up, resulting in serious injuries of persons.
Do not dispose batteries into the environment. Only dispose batteries at suitable places.	Batteries contain toxic chemicals which can harm the environment when improperly disposed.
Do not stare into the open port of fiber optic test adapters or into fiber optic connectors.	Light used for testing and transmitting information is not visible for the human eye. Serious damage of the eyes with possibly lost of sight may be caused.
Do not connect the tester to live ports.	Circuitry can be damaged – see specs in the manual

Wiring Configuration Figure 1

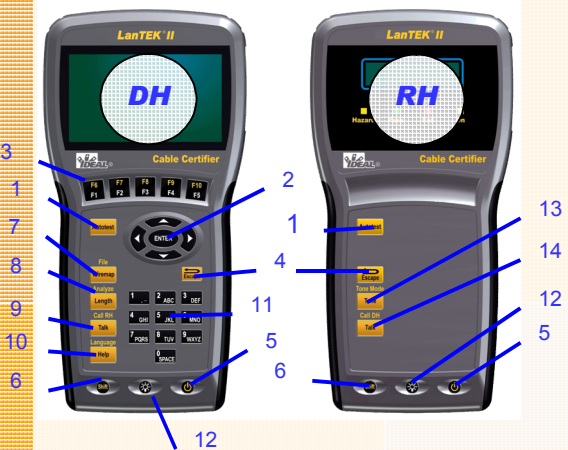


Wiring Configuration Figure 2

Common Wiring Configurations



Main Keys Figure 3



DH Display Handset
1 AUTOTEST
2 CURSOR and ENTER
3 Function keys F1 – F5
4 Escape
5 ON/OFF
6 Shift
7 Wiremap/File

RH Remote Handset
8 Length / Analyse
9 Talk / Call RH
10 Help / Language
11 Alphanumeric Keypad
12 Brightness
13 Tone / Tone Mode
14 Talk / Call DH

LanTEK® II LAN Cable Certifier

QUICK REFERENCE GUIDE

For more calibration procedures, visit www.idealindustries.com

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