

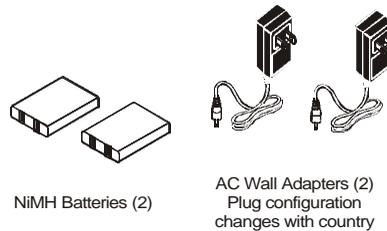
DISPLAY HANDSET (DH)



- | | |
|----------------------|----------------------------|
| 1 Color Display | 11 Shift Key |
| 2 Option Keys | 12 Backlight Key |
| 3 Arrow/Enter Keys | 13 On/Off Switch |
| 4 AUTOTEST Key | 14 Low-Crosstalk Connector |
| 5 Wiremap Key | Port |
| 6 Length/TDR Key | 15 Talkset Jack |
| 7 Talk/Analyze Key | 16 DC Input Jack |
| 8 Help/Setup Key | 17 PCMCIA Slot |
| 9 Escape Key | 18 USB Port |
| 10 Alphanumeric Keys | 19 DB-9 Serial Port |

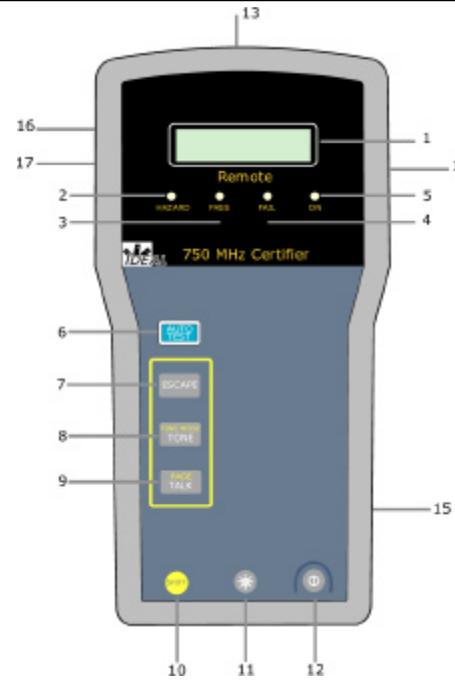
BATTERY AND POWER MANAGEMENT

Both the DH and RH use interchangeable rechargeable NiMH battery packs. Each handset can run on battery power for approximately 8 hours.



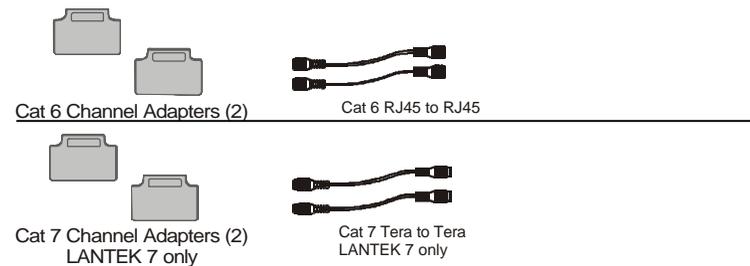
The handset batteries are recharged using the AC/DC Wall Cube. Recharging can take up to 8 hours depending on the battery level at the time of charging. ©

REMOTE HANDSET (RH)



- | | |
|----------------------|----------------------------|
| 1 2-Line LCD Display | 10 Shift Key |
| 2 Hazard LED | 11 Backlight Key |
| 3 Pass LED | 12 On/Off Switch |
| 4 Fail LED | 13 Low-Crosstalk Connector |
| 5 On LED | Port |
| 6 Autotest Key | 14 Talkset Jack |
| 7 Escape Key | 15 DC Input Jack |
| 8 Tone Key | 16 DB-9 Serial Port |
| 9 Talk Key | 17 USB Port |

ADAPTERS AND PATCHCORDS

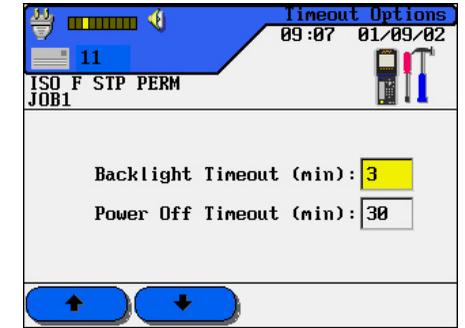


Please note :

- 1: All patchcords (from IDEAL or 3rd party) have a limited lifetime due to the wear on the connectors.
- 2: Good treatment of the patchcords increases their lifetime ©

LANTEK 6/7 QUICK REFERENCE CARD

FUNCTION KEYS AND SOFT KEYS



Soft Keys

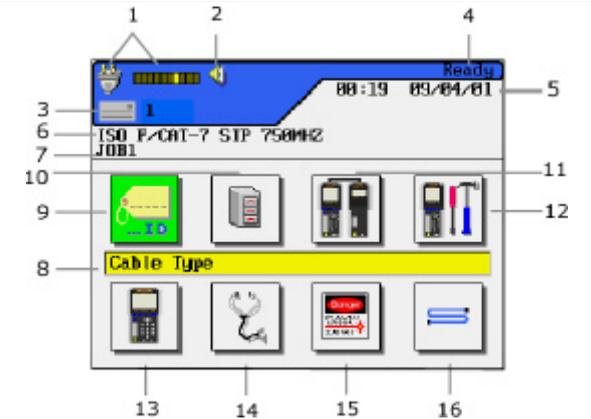


Function Keys



Four function keys positioned directly below the display allow the user to select a soft key action on the Color Display.

LCD DISPLAY

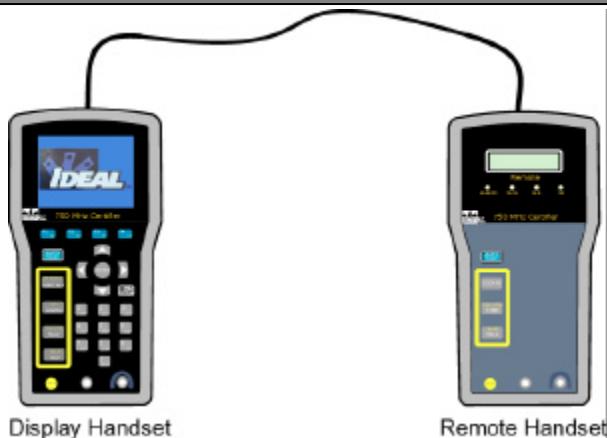


- | | |
|---|--------------------------------|
| 1 Battery Meter or AC Cable | 9 Cable ID icon |
| 2 Talk Set Indicator | 10 Stored Test icon |
| 3 Storage Device Indicator and Memory Usage | 11 Field Calibration icon |
| 4 Screen Title | 12 Preferences icon |
| 5 Time and Date | 13 Instrument Information icon |
| 6 Cable Setting | 14 Analyze icon |
| 7 Active Job Title | 15 Fiber Optics icon |
| 8 Function Title | 16 Cable Type icon |

POWER-UP

Press the **On/Off**  key to turn on the DH

TESTER FIELD CALIBRATION



Display Handset

Remote Handset

1. Connect the channel adapters to the DH and RH.
2. Power both units on.
3. Connect one of the two appropriate patchcords to the adapters of the DH and RH units.
4. From the DH Ready screen, select **Field Calibration**.
5. From the Field Calibration screen, select **Start**.
6. At completion of the first patchcord process, disconnect the first patchcord from the adapters of the DH and RH and insert the second patchcord into both of the units' adapters.
7. Select **Start**.
8. At completion of the second patchcord process, the field calibration is complete and you are ready to set up your unit to perform tests.

Please note:

1. Field calibration is necessary weekly and every time the type of patchcord changes.
2. It is not necessary to do a field calibration at every measurement.

SETTING AUTOTEST PREFERENCES

1. From the DH Ready screen, select **Preferences**.
2. Select **Autotest Preferences**.
3. From this screen, set the following preferences:

Simple Cable ID	Pass Fail Icon
Stop on Fail	Autosave
Include and Save Graphs	Auto Increment
Marginal pass/fail	ACR
Resistance	Capacitance
Impedance	Enable 24 ELFEXT

PERMANENT LINK TEST SETUP

1. Attach the channel adapters to both the Display and Remote Handsets.
2. Attach the appropriate patchcords (2 meter) to the adapters.
3. On the horizontal cable to be tested, disconnect the corresponding user patchcords from the network patch panel and the RJ-45 or Tera wall outlet.
4. Connect the DH with the adapter and the appropriate patchcord end to the network patch panel, and then connect the RH with the adapter and the appropriate patchcord end to the wall outlet.

CHANNEL LINK TEST SETUP

1. Attach the channel adapters to both the Display and Remote Handsets.
2. On the link to be tested, disconnect the corresponding user patch (up to 5 meter) cords from the network equipment.
3. Connect the DH adapter to the patch panel using the user patchcord and the RH adapter to the wall outlet using the user patchcord.

PERFORMING AUTOTEST ON A TWISTED PAIR CABLE

The selection of cable type determines the default tests included in an Autotest suite.

1. Press **Shift** and **Setup** simultaneously or select **Cable Type** on the DH Ready screen to choose the cable type from the following:

Twisted Pair Permanent	Ethernet
Twisted Pair Channel Link	Custom Cable
Miscellaneous Types	Fiber
2. Select a standard or predefined cable to set the tests to perform and pass/fail limits.
3. Press **Autotest** to begin testing. The cable tester will perform a predefined test suite.
4. The test result is displayed below the Title Bar at the top right corner of the screen.

PASS/FAIL REPORTING

Overall Autotest Results

-  Overall test result is a pass.
-  Overall test result is a fail.

Individual Autotest Results

-  All values pass with sufficient margin.
-  One or more values fail.
-  * or  * - pass or fail by a small margin.

STORING TEST RESULTS

1. Select **Stored Results** on the DH Ready screen and press **Enter**. At this point, you will see a list of all jobs which are currently available. If you have never created a Job, the list will be empty.
2. To create a new Job select . The **Job Options** screen appears.
3. Use the Arrow keys to select **New Job**. Press **Enter**. The **New Job** screen appears.
4. Type a name into the text field on the **New Job** screen using the alphanumeric keyboard. Press each key a second or third time to select the second or third character on the key.
5. After entering the name, press **Enter**. You will return to the Job Options screen where you can Access Job information, Delete Jobs, Rename Jobs, make a Job the current Job, or create more Jobs. The new active job name is displayed at the top left corner of the display.

RUNNING AN ANALYZE TEST

1. On the DH Ready screen, select **Analyze** to open the Analyze screen. The Analyze screen lists the tests that can be performed on the currently selected cable type.
2. Press the **Arrow** keys to highlight the desired test.
3. Press **Enter** to start the test.
4. Upon test completion, a tabular results screen is displayed.

Pair	NUP	n	
5.4	0.72	11.8	✓
3.6	0.72	11.4	✓
1.2	0.72	11.0	✓
7.8	0.72	11.3	✓
Limit: 0.8 n - 10.0 n			

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