

NG Harrier

Quick Reference Guide

About the NG Harrier Test System

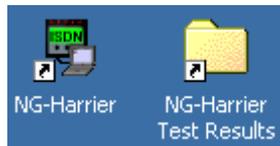
The NG Harrier Test System is designed to allow **quick verification** of an ISDN circuit using the handheld unit and **comprehensive testing** of the circuit using the NG Harrier PC software.

The NG Harrier test system provides all the functionality required to install, commission and maintain ISDN services.

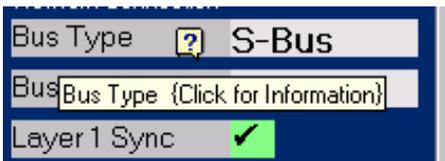
The PC Software component is designed to carry out detailed testing of the circuit and store the results for reference, printing or review at a later date.

Shortcuts to the application and a results folder are automatically created on the desktop when the software is loaded.

Double click on the desktop icon to launch the software. It is not necessary to connect the handheld tester in order to review the functionality of the software. Detailed information on using the tester is available via the PC software.



Targeted Help provides information about a test, about the ISDN service being tested, reasons for failure of a particular test and possible corrective action.



Moving the mouse pointer over the text "Bus Type" results in a link to a web style page providing detailed information on the subject. From any Web page Click on the Windows "Close" button to return to the NG Harrier test screens.

Tests can be run in Single Page mode or automatically via a test file selected by pressing the green **Auto Test** button.

Using the Hand Held Tester



The tester is normally powered by 3 "AA" type rechargeable batteries.

Refer to the User's Guide on the PC for detailed information on powering the tester.

Always use the test cables provided and ensure that they are connected to the **Line** socket.



The Mains adapter will power the tester and will recharge the batteries when the tester is switched OFF.

The Handheld component of the NG Harrier test system is designed to allow **quick checks** at the: -

- Customer side - S/T Line Access
- Exchange side - U Line Access
- PSTN or POTS Line Access



Press the power button to switch ON the NG Harrier and display the Line Access menu.



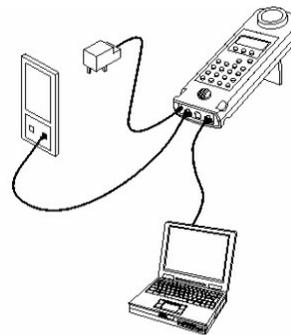
Use the soft-keys to select the required **Line Access** or to scroll down the menu.

When connected to a working circuit the tester will automatically determine the Line Access if the menu option "**Automatic**" is selected.

Test options (see menu overleaf) appropriate to the **Line Access** can be selected using a combination of the keypad and soft-keys.

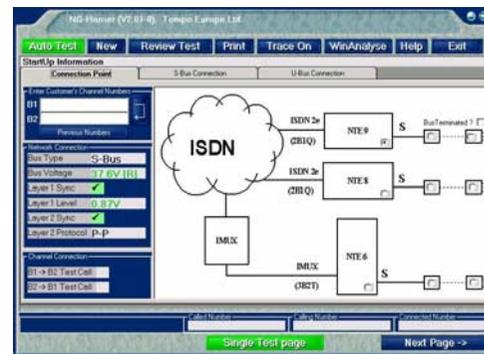
Using the NG Harrier PC Software

Connect the "9 pin" serial cable supplied to the PC and the "I/O Port" of the handheld tester and connect to the circuit to be tested as shown in the following diagram.



Connection of the Mains power adaptor is not required unless the hand held tester batteries are discharged.

Switch the hand held tester ON and double click the NG Harrier icon to launch the application resulting in the following display.



Press the **New** key to start communication with the hand-held and check network connection.

Enter the circuit numbers then press the green test button to initiate the test sequence.

For more detailed information on using the NG Harrier test system click on the Help button.

Always press the **New** key after changing any connections or the circuit under test to ensure that the PC is made "aware" of the changes

Quick and Easy Calling

Connect to the circuit under test using the appropriate connecting cable.



Press the "power*" button to switch ON the NG Harrier and display the Line Access menu then select Automatic.

When connected to a working circuit the tester will determine the type of circuit and display the appropriate menu.

To Make a Voice Call



Press the Call key once to enter the call menu. Enter the Destination Number and press the Call key a second time to dial the number. Use the "soft-keys" to manage the call.



Making a Bit Error Rate Test (BERT)



Press "9" key once to enter the BERT menu. Enter Destination Number and press the Call key to dial the number. Use the "softkeys" to manage the call.



To Make a Line Check Test



Press "Signal" key once to enter the Line check menu. The display will show the line voltage.

Always press the ABORT "soft key" to exit line check



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