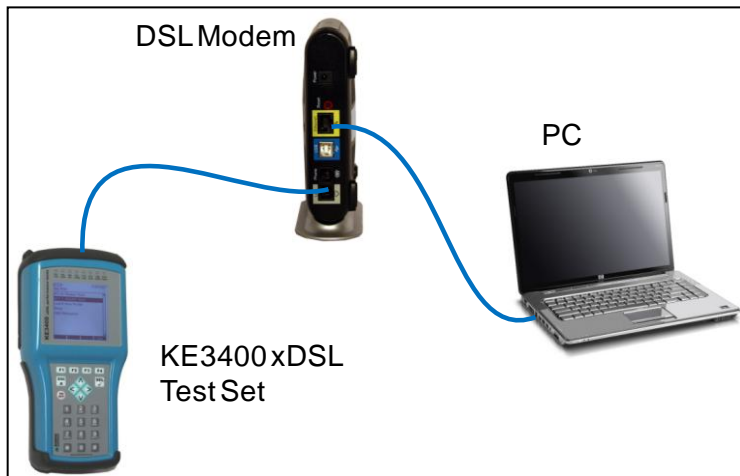


APPLICATION NOTE



USING THE xTU-C (DSLAM) EMULATION MODE OF THE KE3400 xDSL TESTERS TO FUNCTION-TEST DSL MODEMS

Many DSL service providers have customer modems on hand whose functional condition is unknown. Unless you have a good DSL service line close by for testing it can be difficult to determine if a modem is working or not.



WHAT YOU NEED TO CHECK A MODEM

A DSL modem has two communication connections that need to be checked: the Ethernet link to the customer PC and the DSL line link to the DSL service.

To test the DSL service link use a Kurth Electronic KE3400B. To test the Ethernet link use any PC with an Ethernet port and a web browser program.

TESTING THE DSL SERVICE LINK

Connect a KE3400B to the modem under test using a regular RJ-11 modular cord from the tester Service port to the modem Line port. In the tester menu select the ATU-C or DSLAM mode and 'Start' the function. The test set and the modem will recognize each other and complete a synchronization process. If things are working properly you will see a 'Showtime' screen on the test set with connection speed and other parameters.

TESTING THE ETHERNET PORT

Connect the PC Ethernet port to the modem Ethernet port with an RJ-45 cable and allow them to recognize each other. Open a web browser and manually enter a connection address for the modem's internal web page, typically 192.168.0.1 though it varies by modem vendor.

You should be able to browse to a Status page that shows the modem is connected to a DSL service.

