Saving test results

Each DSL/IP test includes an Upload/Save Result tab to Upload & Save your test results using the existing in-band DSL or Ethernet connection made during the test; or you can Save your results to an internal memory file; or Export results to an HTML, MHTML, or XML report using a USB key.

To save, upload, or export results:

- 1. Using the up/down arrow keys, select the parameters you want to edit and use the on-screen keyboard.
- 2. Select Result File to save your results to an existing File Name or Upload & Save your results via the following:
- · the existing in-band DSL or Ethernet connection made during the test
- · an out-band upload connection (Wi-Fi or Ethernet) if enabled and the test is stopped

OR

3. Select Save or Export buttons and press v to confirm vour selection.

Managing saved test results

From the DSL Main pane, select Result Manager to do one of the following:

- Result tab allows you to select a File Name and view the results from a list of files previously saved.
- Upload tab allows you to upload the saved results to an FTP site or a USB. Here, you can also **Delete** selected XML files from the internal memory.
- · Export tab allows you to select a File Name or All files previously saved and export the results in the following Report Format: HTML, MHTML or XML.
- · Delete tab allows you to delete a selected File Name or All files saved in the 6100 internal memory only.

User Na	me:			
User ID:				
	or Name:			
Test Fro	m:	CR	OSSBOX	
Test To:		NI)	
Job ID:				
Custome	r Name:			
Circuit II	D:			
Commer	nts:			
Save Re	sult:			
	s	elect Result	: File	
Recult F	le Storage Lo	ocation: 610	0 internal m	emory
	le Name:		0 08-08-20	
incount in	ie Hame.		0_00 00 20	T) 02.20.1
	Upload &	Save	Save	
Export R	eport:			_
	ile Storage L	ocation:US	8	
Report P			THL	
Report F	ile Name:	610	0 08-08-20	19 02:23:1
		Export		
	P	ress 득 to	close	
			1 Multimeter	

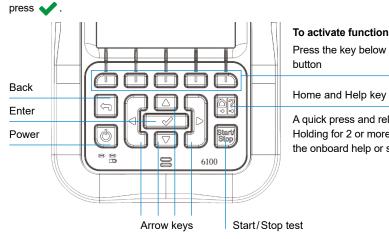
DSL Main \ Result Manager	🛫 2:15 PM 💽
Storage Location:	6100 internal memory
File Name	Test Date Tim←
6100_Jul21_2019_124	9 2015-07-21 1
6100_Apr07_2019_120	3 2015-04-07 1
6100_Oct10_2019_162	9 2015-03-31 1
Test_Manual Test	2015-03-31 1
6100_Oct10_2019_152	8 2015-03-31 1
6100_Oct10_2019_155	2 2015-03-31 1
6100_Oct10_2019_161	1 2015-03-31 1
6100_Oct10_2019_162	1 2015-03-31 1
6100_May 29_2019_10	06 2015-03-31 1
6100_May30_2019_122	25 2015-03-31 1
6100_May30_2019_130	09 2015-03-31 1
6100_May30_2019_133	32 2015-03-31 1
6100_May21_2019_085	56 2015-03-31 1
6100_May23_2019_100	00 2015-03-31 1
6100_May27_2019_092	28 2015-03-31 1
6100 Mav29 2019 09	11 2015-03-31 1.



Working with the keypad

To access and modify on screen parameters:

Use the arrow keys to select an on-screen item then



To activate function buttons:

Press the key below the desired Function

A quick press and release acts as Home Holding for 2 or more seconds activates the onboard help or screenshot capture

Note: Any reference to pushing buttons on the keypad can be replaced in most cases by clicking/tapping the touchscreen.

Charging the battery

Plug in the power adaptor (9 V, 1.66 A) and wait up to 6-8 hours to completely charge the battery or until the Battery Status displays 100%.

To view the battery status:

- 1. From the Home pane, select System Settings and press 🗸 .
- 2. Select the Battery Info icon and press 🖌. Battery Status indicates the current power level for the battery, as a percentage.

DSL main menu

To access the Copper Main Menu:

- 2. Navigate to each icon using the up/down left/right arrow keys on the keypad.
- icon
- or Auto, Manual Test or Ethernet Test, the test will start and the screen control will navigate to the results summary page.
- · Result Manager opens the previously saved test files to view, Upload, Export and Delete results.
- · Test Configuration provides the utilities to setup test parameters.
- Setup provides the means to configure the modem power schemes and preset the unit with specific DSL measurement values.

parameters of the unit.

90/UG-6100-GFAST-ENG/01

Visit www.radiodetection.com

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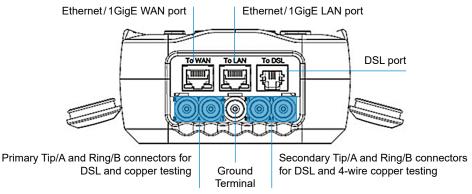
User guide

Radiodetection's 6100-Gfast is the perfect tool for testing G.fast, VDSL2, and ADSL2+ broadband deployments up to 1 Gbit/s. The unit supports both GVXAA and GVXAB modems and can be used to install, troubleshoot and validate in-home multi-play services. Please see the 6100-Cu User Guide (document 90/UG-6100-CU-ENG/01) for information regarding Copper Tests.

Cable connections

RADIODETECTION[®]

6100-Gfast G.fast/VDSL/ADSL2+ Multi-play and Copper Test Set



- 1. From Home, select DSL/IP Tests and press V to open the DSL Main menu page.
- 3. Press \checkmark to bring up the sub-menu of the selected
- Auto Test Profile: PPPol A 0 = 8 = Result Manager
- Note: System Settings can be found on the Home pane and allow you to set the
- Note: Any reference to pushing buttons on the keypad can be replaced in most cases by clicking/tapping the touchscreen.
- This guide is intended as a quick reference guide only. For detailed instructions, including the use of accessories, please refer to the 6100-Gfast Operation manual, which is available to download from www.radiodetection.com

System settings

- Display and Language provides the setup for backlight, information on the title bar, language choice and Touchscreen Calibration button. The Remote Display tab allows you to connect the 6100-Gfast to your computer remotely.
- · Date and Time also sets the date, time, their formats and time zone.
- Battery Info displays battery status and power schemes including Power Save Mode.
- Software Options lists all the Configured Options present on the unit.
- Information shows hardware/software/product information.
- Upload Setup allows you to enable in-band DSL FTP upload or select an Out-band Upload Method (Wi-Fi or Ethernet). Requires FTPUPLD option.

Wi-Fi test

The Wi-Fi Test activates a Wi-Fi scan, listing all available wireless networks with details for comparison. Details of the selected Network Name or SSID (service set IDentifier), the name assigned to a wireless network, include the Signal (RSSI) strength which displays one of the following levels with the table cell shown in the corresponding color:

- No Signal (< -90/black)
- Very Low (-90 to -82/red)
- Low (-81 to -72/red)
- Good (-71 to -68/orange)
- Very Good (-67 to -58/yellow)
- Excellent (> -58/green).

Use the Sort Channels/RSSI buttons to toggle the values by ascending and descending.

Note: You can also sort the network names by clicking/tapping the column header on the touchscreen.

To navigate to a Wi-Fi network and view the details:

- 1. Press 🗸 to get into the list.
- 2. Press the up/down arrow keys to select a network and view its details below.



Chan.	Network Name	MAC AC	Idress	RSSI
1		2a:b7:	1:66:46:c1	-58
1	OU812B47	58:96:3	30:7b:2e:13	-58
1		5a:b7:1	1:66:46:c1	-58
1		58:96:3	30:7b:2e:18	-58
1		58:96:	30:7b:2e:14	-58
1	Crampton	3a:b7:1	1:66:46:c1	-58
1		6a:b7:	1:66:46:c1	-58
1		58:96:3	30:7b:2e:16	-58
1	Hunt.k	4c:01:4	13:b3:46:b6	-71
1		4c:01:4	13:b3:46:b3	-72
1		4c:01:4	13:b3:46:b9	-72
1	BELL697	54:64:0	19:ee:63:95	-73
5	OU81b4	14:91:	32:9e:3c:1d	-45
5		1e:91:	32:9e:3c:1d	-45
5	MyNamesForrest	1a:91:	32:9e:3c:1d	-45
6		80:d0:4	1a:6b:3c:1d	-59
Sor	t Channels Sor	t RSSI	Hide Hid Netwo	

Signal (RSSI)	Very Good (-58)
Channel	1 (2412MHz)
Security	WPA2PSK-AES
Network Type	Access Point
📥 Up	💙 Down 🛛 👆 Cancel
Wi-Fi-Scan	

Configuring tests

To setup an AutoTest, Manual Test or Ethernet Test:

- 1. From the DSL Main pane, select Test Configuration and press 🗸 .
- 2. Select **Profile Details** and press
- 3. Select the desired test setup and press 🗸
- 4. You can configure the test parameters from the setup fields found on the following tabs: Connection Setup, Thresholds, LAN Setup.
- 5. From the Select Tests tab, Enable/Disable the optional subtests. When Access Mode is set to IPv6 (DHCP), Ping is the only test available.
- 6. Select the Test Setup tab to configure the following subtests (when highlighted): VoIP Test, IPTV Test, Ping, FTP, HTTP, Throughput Test, Traceroute, Web Browser Test.

To change or create a new profile:

At power up, settings are read from the last loaded profile. If any changes are made to the parameter values, you can save them to an existing or new profile.

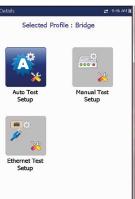
1. On any test setup screen, scroll through and set the options using the up/down and left/right arrow keys;

OR

- Press
 on any value to open a list box of options.
- 2. Press from any setup screen to display the dialogue box asking you to confirm and save changes using the following buttons:
- Save to current profile.
- Save as displays a New profile name alphanumeric editor screen.
- No does not save any changes to the profile, closes the dialogue box, and returns to Profile Details sub menu.
- Cancel closes the dialogue box and returns to the setup screen.

To select a profile:

- 1. From the DSL Main pane, select Test Configuration and press 🗸 .
- 2. Choose Select Profile and press 🗸 . A list of available profiles is displayed in a list box.



Running tests

To run a test:

From the DSL Main pane, select the desired test icon and press 🖌 . The test automatically runs. When in the desired test, you can also press the Start/Stop key to run the test.

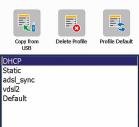
Viewing Test Results

• Connection Summary includes: (for Auto and Manual Test) Profile, Sync Time, Line Status, Operation Mode and upstream/downstream SNR and Max Bitrate. You can select a new Profile from within the test results

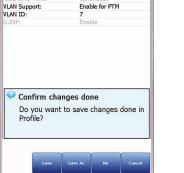
displayed.

Packets/Ethernet Errors.

- WAN Status shows connection status of the wide area network. In Manual Test, you can also select which tripleplay test you want to run or view.
- network.
- status of the test/call.
- VoIP Summary displays measurement details of the different parameters including MOS, R-Factor, Latency, Jitter and Packets.
- If the IPTV Test option is on the unit:
- DSL Param Details include Downstream/Upstream results for Data rates, SNR, Attenuation, Capacity, Output Power, Latency, Interleave Delay/Depth, INP, Bitswap, Trellis, Phy-R and G.INP.
- DSL Statistics include DSL Counters, transfer mode statistics including KL0 and EWL, Rate Adaptation, and Vector State with Performance Counters.
- Band Information includes Down/Upstream results for SNR Margin, Loop/Signal Attenuation, Output Power, and KL0.
- Loop Diagnostics displays Down/Upstream SNR/ATTN (HLog)/QLN/ALN per Tone results in graphical format.
- displayed.



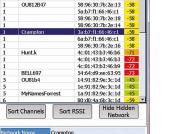
ADSL Transport :	ATM
Access Mode:	Bridged
Auto Resync:	Enable
Sync Timeout Period:	5 min
Keep Sync Time:	Continuous
VLAN Support:	Enable for PTM
VLAN ID:	7
G.INP:	Enable
🤗 Confirm chang	ges done
De uner unerte	o save changes done in



G.Fast

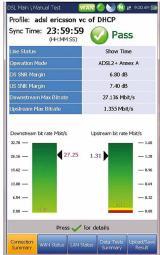






Once a test has run, the results obtained are displayed on the screen. Select the following tabs to view pass/fail status and results details:

- If unit has the Bonding option, data for pair 1 and pair 2 is
- (for Ethernet) WAN/LAN Port Line Status/Link Speed/ Connect Mode and Received/Transmitted Total Bytes/
- LAN Status shows connection status of the local area



- If the VoIP Test option is on the unit:
- VoIP Call allows you to place and receive VoIP calls, and displays Call Information such as the VoIP Status, number and Codec the call is connected to, duration and the pass/fail
- · Join Leave lists IPTV channels from the alias table and measured Zap time. IPTV Summary displays test results of the IPTV streams, Join/Leave, and Channel Analysis.

- Data Tests Summary displays results for Ping, Trace Route, FTP, and HTTP; and the enabled optional data tests including VoIP, IPTV, Throughput, and Web Browser.
- When IPv6 (DHCP) is set as the Access Mode in Connection Setup, only Ping Test is
- Throughput Test implements the iPerf3 or Ookla¹ tool for active measurements of the maximum achievable bandwidth on IP networks.
- Note: Ookla Privacy Policy: http://www.speedtest.net/privacy.
- You, the end user, understand and acknowledge, by performing the test contained in the Speedtest Powered Software Application, that Ookla, LLC may collect your IP address during the test and share it with selected third parties.
- ¹Ookla is a third party provider. The Ookla Speedtest Powered technology involves Ookla owned and/or controlled servers that may or may not be within your network. Ookla retains the right to aggregate test results and to monetize aggregated results as they see fit.