

## Information

- Product Code: CDR-790/CDR-990
- Product Description: HSPA Cellular Router
- Router Firmware Version : V1.58.6
- Phone Module Firmware Version: K2.0.7.30A
- Phone Boot loader File name: MC8790\_DLEX\_K2.0.7.28.cwe (609KB)
- Phone Module Firmware File: MC8790\_K2.0.7.30.cwe (15.3MB)
- Beta/Official: **Official Generic Approved**
- Filename: upgrade-1.58.1-1.58.6.cramfs (1.6MB)
- Date: 5 Nov 2010

## Upgrade Instructions

Please refer to file named: [1\\_58.6\\_upgrade\\_process\\_CDR790\\_v1.4.pdf](#) for firmware upgrade instruction.

### Warning:

The firmware upgrade instruction is applicable only to CDR-790seu / CDR-990seu running router firmware V1.58.1. If you presently have an Application Software version other than V1.58.1 you will need contact Call-Direct technical support to obtain an upgrade pack at either:

Phone: (02) 9011 7526

Email: [service@call-direct.com.au](mailto:service@call-direct.com.au) or [Support@call-direct.com.au](mailto:Support@call-direct.com.au)

## New Features

### 1.58.6

1. Change the wording on the pop-up windows when performing manual network scan indicating users to disconnect 3G connection before manual network scan.
2. Add a pop-up window indication end user to change the band option to "2G" if end user tries to register to a 2G network while there are 3G networks available. The reason for this

change is the PLMN registration to a 2G network can only sustain when band option is 2G only.

3. The connection history page of web interface does not provide data usage.
4. MIB can be downloaded from the SNMP page by clicking one button.
5. System log file can be downloaded from the Log page by clicking one button.
6. Add "DMZ CONFIGURATION" under NAT page.
7. Network manual scan is added on Band/Provider Settings.

#### **1.58.1**

1. Phone module firmware version K2.0.7.19 support HSUPA speed
2. Add "Advanced Status" page under the Status page
3. Add "Data Usage" section to the Status page to display connection history and view the last 5 data sessions to provide the following information per session: Session Start Time, Session End Time, Data Sent (Bytes), Data Received (Bytes), Total Data Sent/Received (Bytes).
4. Added DMZ server option on NAT page
5. CDCS MIB can be downloaded from the SNMP page
6. DHCP Leases table available from UI.
7. Option to save log into a file on the UI.
8. Baud rate 230400 is now available from UI
9. Added "Change PIN" functions and displays "Number of Retries Remaining" on the PIN Settings Page.
10. Remove read-only flag for pre-configured profiles
11. Added option to select 2100 only in the "Band/Provide" page
12. Added facility to UI to perform manual network scan, the menu "Band" has been renamed to "Band/Provider")

#### 1.57.2

1. When unit boot-up, the “Product Title” that displayed on UI will be auto refreshed from “CDCS Cellular Router” to “CDCS CDM-XXXseu Cellular Router”
2. ‘/FlashUpload.html’ is move to ‘/linkFiles/FlashUpload.html’ to *upload Phone module firmware*.

#### 1.56.0

1. RIP version 2 supported

#### 1.55.0

1. CDR-790 (MC8790) supported
2. CDR-990 (MC8792V) supported
3. 1.04g board supported
4. Over-sized MTU supported in PPPoE (bridge) mode
5. additional information (RSCP, EC/IO) provided in SNMP (MIB can be downloaded from "http://192.168.1.50/cdcs.mib")

#### 1.54.0

1. Add scroll bar to left hand side navigation frame

### Bug Fixes / Modifications

#### 1.58.6

1. Fixed: Replace the AWK script to fix a memory leaking issue, which used to cause the router to lock up.
2. Fixed: Device fails to camp on EPLMN 50506 (3Telstra) when selected manually via "Manual Network Selection".
3. Fixed: Web UI displays incorrect PLMN status of "3Telstra -50506" network in the Manual Search List. It is always displayed as "N/A".

4. Fixed: WEB UI displays incorrect PLMN status of "Telstra 2G-50501" network in the Manual Search List. It is always displayed as "Registered/GPRS" even device is NOT registered on this network.
5. Fixed: Web UI displays incorrect value of Signal Quality (Ec/Io). It is always displayed in the range of -60 to -100 which are wrong as range of Ec/Io is 0 to 31.5dB.
6. Fixed: Web UI displays incorrect IMSI. IMSI displayed on UI always start with "1f".
7. Fixed: WEB UI "Save" button issue.
8. Fixed: No option provided on the Web Interface to perform Manual Network Scan: Network manual scan is added on Band/Provider Settings
9. Fixed: WEB UI Advance Status UI does not show MCC,MNC,Cell ID LAC.
10. Fixed: The connection history page of web interface does not provide data usage.
11. Fixed: No option to delete pre-configured Connection profiles. (Telstra.datapack / Telstra.internet / Telstra.pcpack). The pre-configured profiles are now allowed to be modified. To prevent accessing 3G using the pre-configured profiles, user can change them to different APNs (for example: "N/A").
12. Fixed: No option to select "3G 2100Mhz Only". "3G - 2100 Mhz only" is added on menu "Band/provider".

#### **1.58.1**

1. TCP PAD mode accepts server connections during an ongoing client session. TCP PAD connection will be interrupted by another incoming connection.
2. Factory reset does not reset DDNS settings and IPsec settings, via AT commands "AT^FACTORY" does not reset admin password. Incorrect functionality when default to factory settings via UI, AT command or Ethernet unplugging sequence.
3. Web interface does not notice an invalid route. Invalid route displayed on UI.
4. RI serial line does not show incoming PAD connection. RI line incorrect functionality.
5. Syslog is writing passwords into the log in clear text.
6. While disabling "Auto connect", PAD server mode is not enabled by AT^GASC command
7. Unit posts SIM PIN to the UI. Resolution: Always post \*\*\*\* to UI SIM PIN field.
8. Periodic Reset time does not come into effect until rebooting

9. Periodic PING timer accepts lower than 60 seconds. "Periodic Ping Timer" should never be set to a value less than 60 seconds because this is to allow the router time to reconnect.
10. PAD mode AT command cannot change protocol by using AT command ATD <host>[:<port>[:protocol>]].
11. The Help button on the web GUI is link to the previous version of the help file
12. IPsec does not support different encryption types for IKE and ESP session.

#### **1.57.8**

1. Fixed 3G PPP connection issue with some carriers (Internode 3G and Dodo)
2. Fixed incorrect HELP button content and hyperlinks in the status page

#### **1.57.5**

- 1 DHCP Server field in GUI filling with unexpected string after RESTORE FACTORY DEFAULTS caused DHCP stops working.
- 2 Fixed GUI "tableHeader.gif" display problem if the screen resolution is set to more than 1920 pixel.
- 3 Both links can be used for phone module firmware and boot loader upgrade.  
<http://192.168.1.50/linkFiles/FlashUpload.html> or  
<http://192.168.1.50/FlashUpload.html>
- 4 Fixed UI sub-menu 'VPN' link to an incorrect URL, cannot go to "VPN" page from main menu. (only applicable to the CDR models loaded with VPN patch)
- 5 ATI command returns incorrect router description.
- 6 Fixed intermittent long response time for some AT command

#### **1.57.2**

1. Fixed Phone module firmware uploading error, MC8790 latest firmware cannot be uploaded.

#### **1.57.1**

2. Fixed CNS watch-dog acts too quickly, during high traffic operation, the router may reset.
3. Fixed incorrect SNMP ppp connection status

4. Fixed SNMP not setup when configuration exports: the SNMP does not work until the user applies SNMP settings when the configuration exported
5. Fixed Band page does not show properly in IE7
6. Fixed Incorrect SNMP sysup time
7. Fixed RIP does not advertise route information to WAN side

#### **1.55.0**

1. Device fails to resume traffic when PPPoE flow-control on. when PPPoE traffic overflows, the unit restarts by the hardware watch-dog.
2. When the IP address is changed, DHCP range is not properly changed.
3. When the unit is starting up, AJAX queues too many messages, the status page does not show the current status. It shows the old information.

#### **Known Issue**