

## IRIS Touch Firmware Enhancements and Additions From Version 1.8.6 to Version 1.9

### Overview

This document details enhancements and additions to the feature set of the IRIS Touch from firmware Version 1.8.6 to Version 1.9.

Version 1.9 is the latest version of touch firmware. Version 1.9 replaces version 1.8.6 and as a result all new units despatched from Chiron after 1<sup>st</sup> November 2009 will come with version 1.9. This latest version is currently available on the reflash server (80.176.196.134) so any units connected to the reflash server will be upgraded to version 1.9.

Connection to the reflash server can be instigated from the installer menu, Settings->Reflash:



The reflash IP address is set by default to Chiron's reflash server and does not need to be changed unless another reflash server is to be used.

The next section of this document is a list of enhancements and additions. Where appropriate a description of the enhancement or addition is detailed below.

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## Enhancements and Additions

### New GPRS facility on the IRIS Touch 200 and 400

The IRIS Touch 200 and Touch 400 now support polling and alarm transmission over GPRS. This is a major new feature that means that the Touch 200 and Touch 400 can now be used for monitored alarm transmission systems:

- Constant polling to the monitoring centre so any failure in the communications path is reported.
- More reliable transmission of alarms as compared to GSM.
- Alarm panel interface via dial capture port (for SIA, Contact ID, Fast Format or Robofon) or inputs on the Touch dialler.
- Encrypted alarm transmissions via GPRS.
- Lower operating costs as GSM call charges are avoided and replaced by GPRS data related charges.

GSM operation is also still available, should it be required.

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**Additional Security Features**

As an extra security feature, incoming TCP/IP data calls for upload/download can be limited to specific source IP addresses. Up to 3 source addresses can be defined. Incoming calls from other addresses are ignored. If calls from any source are required all three addresses should be cleared.



A monitoring 'keep alive' is added for alarm panels signalling alarms via the IRIS Touch serial port. Inactivity on serial port causes a fault to be reported to the monitoring centre. This is set via the 'Monitor Cable' option on the Panel Interface->Serial Port menu.

Poll failure can be indicated to an alarm panel signalling alarms via the IRIS Touch serial port. An option can be set so that poll failure is indicated on the serial port by the suspension of responses to modem 'AT' commands. This is set via the 'Report Poll Fail' option on the Panel Interface->Serial Port menu.



## Additional Features for Alarm Panel Support

A serial interface mode for connection to DSC SN4441 High Security Interface Module has been added.



Support for old versions of Galaxy alarm panel added – pre Version 4 Classic and Galaxy 16+ connected via the Galaxy RS485 bus. No configuration is required as the detection of these panels is automatic.

Extended support for Contact ID alarm panels that use characters A to F in the alarm panel account number. No configuration is required as detection is automatic.

For the IRIS Touch 440R, which supports backup alarm transmission over PSTN as well as IP and GPRS, an additional dialling option is provided so that the alarm panel can request that the alarm call is first attempted over Ethernet, then over GPRS if this fails and finally over PSTN if the GPRS attempt fails. To use this option, set the phone number for alarms calls in the alarm panel to the digit '5' followed by the number of the PSTN receiver to call if the Ethernet and GPRS routes are not available. For the Ethernet and GPRS calls, the dialler will use the ARC IP address entered by the installer as part of the configuration process.

**Ease of Use**

To assist customers track SIM cards, if a SIM card is fitted to the IRIS Touch, the SIM card ICCID number is reported to the monitoring centre. Please note that this feature requires the dialler to be communicating via Ethernet and/or GPRS with the monitoring centre and the monitoring centre to be equipped with IRIS Management Suite version 1.16.2 or later.

GSM/GPRS network name displayed with touch screen signal strength display.



**Special Features**

All special features such as Set Unset and Vds modes are now placed in an 'Extra Features' menu.



## Responses to Customer Feedback

- Corrections to a few translations on the touch screen menus.
- Audio levels on analogue POTS port increased to resolve a problem found with Honeywell Vista panels with upload/download.
- To speed up recovery if there is a GPRS network problem, GPRS network attachment is now monitored, in addition to GSM registration and signal strength, so that immediate recovery can be instigated if attachment is lost.
- Labelling of operation of SMS relay activation/deactivation has been corrected. Activation now means **close** relay, rather than open and Deactivation now means **open** relay rather than close. **Please note – to avoid confusion, this information should be passed to any installers who use the relay control via SMS feature.**

