

IRIS Touch NG Firmware Enhancements and Additions Version 2.32

Overview

This document details changes to the IRIS Touch NG range and IRIS Connect from firmware Version 2.23 and 2.31 (Touch 440NG-4G) to Version 2.32.

This release (V2.32) is available on Chiron's reflash server with immediate effect. All IRIS diallers can be upgraded by connecting them over IP to our reflash server, so you can be sure of having all the latest facilities, even if you have already taken delivery of the dialler. This can be done prior to install, at install or even remotely after install.

New features

Honeywell Flex V3 Support

Until recently Honeywell's Flex 3 panels have used Honeywell's high speed RS485 bus for connection to communications devices, which has precluded connection to IRIS diallers which offer the low-speed RS485 bus. However, Honeywell have now released a version of Flex software (3.37 and later) that implements a low speed bus for communications, and IRIS software has been updated to support this bus connection. This means that IRIS diallers can now be used with Flex version 3 alarm panels.

Please contact Chiron for further information on how to set up the alarm panel to use this feature.

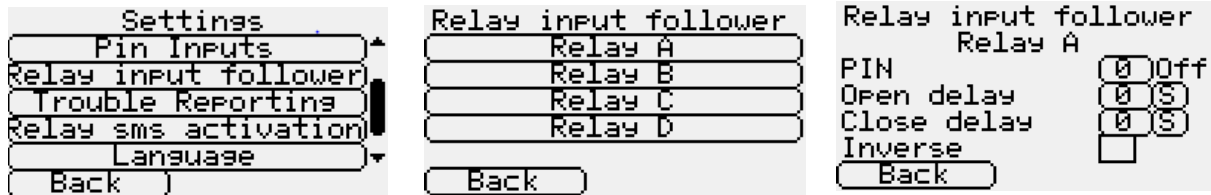
Telim Protocol Support

The Telim protocol for alarm transmission across PSTN networks is widely supported in alarm panels in Germany and other countries. The IRIS Touch dialler software has been enhanced to support this protocol on the dial capture interface. This includes:

- The Telim protocol is automatically detected on the dial-capture interface so no extra configuration is required.
- Telim alarm messages are converted to SIA format in the dialler so can be supported by standard systems at the monitoring centre. The conversion can be modified via the dialler touch screen Settings menu if required. Please contact Chiron for further information on the conversion mechanism and configuration options.

Relay Input Followers

This feature allows any of the dialler relay outputs to be set to follow a pin input, with a delay if required. Normally a relay will open if the associated input goes open circuit, or vice-versa, but this can be inverted if required.

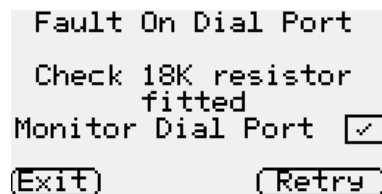


Please note that this feature should not be used for a relay that has another purpose, e.g. communications path trouble reporting.

Dial Port Test in Installation Wizard and Test Menus

By default all IRIS diallers with a dial capture interface are configured to monitor the two wire dial port interface so that any tamperers or faults can be detected and reported to the monitoring centre. This monitoring requires a sense resistor to be fitted across the interface at the alarm panel end of the connection. Although the dialler does report if the sense resistor is not fitted, this may not be immediately obvious to the installer and therefore requires corrective action later.

To avoid this situation the dialler software has been enhanced to automatically check during the Installation Wizard function whether the monitoring of the dial port is enabled, but the sense resistor is not fitted and if so displays a warning message.

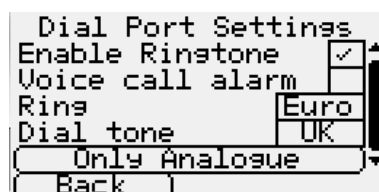


At this point the monitoring can be switched off if not required. **Note – if monitoring is switched off, tamperers and faults will never be reported to the monitoring centre.**

This same test will also be run when the Test function is selected from the touch screen menu.

Configurable Dial Tone on Dial Capture Interface

It has been identified that a few alarm panels are sensitive to the frequency of the dial tone generated by the dialler on the dial capture port when the alarm panel goes off hook. An option has therefore been added to the Settings->Dial Port touch screen menu to set this tone to either the UK or European formats.



Italian Language

Italian has been added as an option to the touch screen menus.

Improvements

Allow Space Character in WiFi Password (IRIS Connect Solo and Duo)

On the IRIS Connect Solo and Duo, it is now possible to connect to a WiFi access point that uses a space character in its access password. Use of a space character in the SSID has always been possible.

Resolve Enhanced Roaming Issues

Two issues found in the field have been addressed:

- The IRIS dialler can handle situations where there is more than one network using the same name.
- Where there were many base stations available, it was possible that some 3G channels were not taken into account in the enhanced roaming algorithm.

Correct PSTN Test Call Period

For connections using PSTN (i.e. IRIS Touch 4xxNG diallers with EXT2 fitted) an automatic PSTN test alarm can be configured in the dialler. The setup of the test periods has been corrected and a period of 24 hours test can now be configured.

Improve Operation of Fast Format Alarms over PSTN

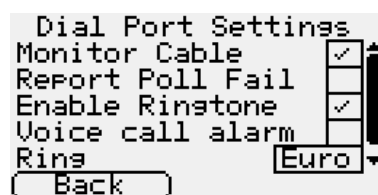
The timing of transmission of Fast Format alarms over PSTN via an EXT2 board has been improved so that the reception of the acknowledgment from the PSTN line receiver at the monitoring centre is less likely to be missed and the alarm repeated.

Improve Galaxy Panel Upload/Download using IRIS Remote Service App via 2G/3G

An improvement has been made to reduce the possibility of connection drop out due to 2G/3G network transit delays.

Alarm to Indicate VOIP or GSM Call via Dial Capture Interface

An option has been added to the Settings->Dial port touch screen menu to enable the sending of an alarm via IP to indicate that a voice call has been made over either GSM or VOIP via the dial port.



By default, the alarm sent is in SIA Format, event code 'SC', zone 93, text 'Voice call'. If Contact ID format is selected for pin inputs on the dialler the alarm used is event code '140' with zone '93'.

This feature is intended to be used when the IRIS Touch dialler is installed for applications such as elevator alarms where voice communications are required.

How to Reflash

Refashing can be instigated remotely via the IRIS Secure Apps system to which the dialler is reporting, thereby saving the need for a site visit. This can be done either by using the Reflasher App within IRIS Secure Apps or within the IRIS Secure Apps Dialler Dialogue App, by instructing the dialler to 'Start Dialler Management' to the reflash server IP address (see below).

Alternatively, for local upgrade, 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 (195.59.117.164) and does not need to be changed unless another reflash server is to be used.

Refashing can also be carried out by direct local connection to diallers, using our IRIS Touch USB Reflasher that can be downloaded from our web site www.chironsc.com