IRIS Touch Firmware Enhancements and Additions

From Version 1.11 to Version 1.12.3

Overview

This document details enhancements to the feature set of the IRIS Touch from firmware Version 1.11 (including 1.11.1) to Version 1.12.3. Please note that versions 1.12, 1.12.1 and 1.12.2 were interim versions for customer specific projects and not made available as a general release.

This release (V1.12.3) is available on Chiron's reflash server with immediate effect. Due to normal manufacturing lead times, it will be introduced into new shipments over the course of the next few months. However all IRIS Touch 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 after install.

This release is being made to add new features and to enhance and improve existing features. The following valuable new facility has been added:

- Support for the second phase of Chiron's new Remote Service App. The Remote Service App considerably simplifies the way installers can carry out remote service of alarm panels that are connected via a serial data link to the IRIS dialler. This additional feature extends this functionality to operate via an alarm panel's PSTN port through connection to the Touch dial capture port, even if the connection to the dialler is over GPRS.

  Note – for this functionality to be used the monitoring centre must be equipped with Chiron's latest IRIS Secure Apps System and Remote Service App, not the earlier IRIS Management Suite.

How to Reflash

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.

New Features
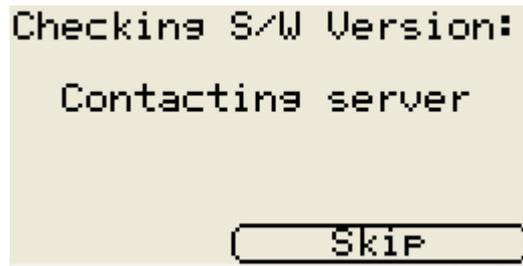
Remote Service App upgrade

Until now, configuration of alarm panels using the Touch dial capture interface to the alarm panel has only been possible when the communications with the dialler is over Ethernet and there is enough bandwidth for modem signals to be passed transparently over the IP link using the dialler's onboard Voice over IP support. The diallers have now been enhanced so that they can support alarm panel upload/download via the dial capture port even if the IP connection is over a lower speed GPRS connection. This is achieved by an embedded V.21/Bell 103 300bps modem on the Touch dial capture port that communicates with the modem inside the panel. The data is then passed over the IP/GPRS connection.

This feature requires the monitoring centre to be equipped with the latest IRIS Secure Apps system that supports the Remote Service App. No configuration of the dialler is required by the installer, as all settings are loaded automatically from Secure Apps.

Dialler checking for updated software

As part of the installation wizard, the dialler now makes a call to Chiron's reflash server to check whether it has the latest firmware installed. If there is new firmware available, the installer is given the option of updating the dialler immediately.
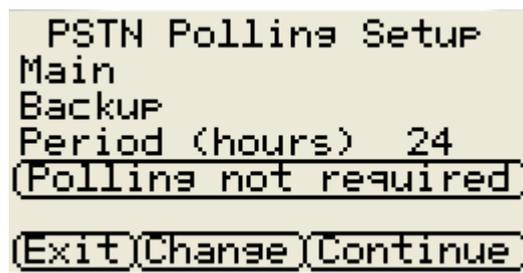
Note that if Chiron's reflash server cannot be reached, the operation can just be skipped.

```
Checking S/W Version:

    Contacting server




            ( Skip )
```

Enhancements and Additions

Additions to installation wizard for PSTN operation

The IRIS Touch 440R dialler has a PSTN network interface and has always been able to 'poll' over this interface using Chiron's 'call confirmation' technique of zero cost PSTN path monitoring. However, the set-up of destination PSTN addresses (main and backup) for this facility was only possible remotely from the monitoring centre via an Ethernet or GPRS connection from the dialler, so it could not be used in a PSTN-only configuration. This has now been changed, and for PSTN-only operation the main and backup PSTN polling destinations and polling interval can be set up on the touch screen via the installation wizard and setup menus.

```
   PSTN Polling Setup
Main
Backup
Period (hours)   24
(Polling not required)

(Exit)(Change)(Continue)
```

Please note – these settings are only possible when the dialler is set for PSTN only (not Ethernet or GPRS) and will be superseded if parameters are loaded from the monitoring centre through a subsequent IP connection.

Also, on the IRIS Touch 440R which supports alarm signalling over PSTN, the installation wizard now prompts the user for entry of the main and backup PSTN receiver telephone numbers.

Additions to installation wizard so that inputs in use can be selected with SIA and Contact ID protocols

In the installation wizard, when the installer selects pin inputs using SIA or Contact ID protocols, there is now a menu where the actual inputs to be used can be selected. Inputs are enabled by default. In earlier version it was necessary to go into the setup menus to select which inputs were enabled or disabled.