

****Release Notes****

****iTach Flex Firmware and Webpages****

Release Date: April 10, 2015

Firmware version no: 710-2000-14

Webpage version no: 14.0

Effective part nos:

710-2000-14, Firmware iTach Flex WiFi

710-3000-14, Firmware iTach Flex Ethernet/PoE

This update applies to all iTach Flex versions. Effective changes include new product features, enhancements, and bug fixes.

NOTE: This version requires a one time wait of up to 4 minutes when updating to version -14.

- * New feature: Support for the new Flex Link Relay & Sensor cable, as follows:
 - TCP API commands fully backwards compatible with iTach IP2CC and WF2CC.
 - New improved HTTP API, which currently supports only the Flex Link Relay & Sensor cable functions. (Flex Link IR and Serial cables are supported by existing HTTP commands, but not in the new HTTP API as of yet.)
 - For details on the new HTTP API, see the documentation at <http://globalcache.com/httpapi>
- * New feature: Support for iTach Flex IP PoE product.
- * Bug fix: Updated core filesystem libraries to address several filesystem bugs:
 - Files may be corrupted/truncated during upload.
 - Filesizes are sometimes displayed as incorrect or negative values.
- * Bug fix: WiFi network scan returns no results when more than ~10 WiFi networks are available.
- * Bug fix: Under certain WiFi environments, Flex WiFi may hang and require a power cycle to recover.
- * Bug fix: Flex sometimes acquires different IP address spontaneously, or after power cycle
 - To guarantee a consistent IP address with various DHCP servers, it is recommended to set an IP reservation on the router (routers often issue same IP address based on MAC ID, but it is not required. Behavior varies among different routers).
- * Bug fix: Blaster may not initially pre-charge (and then requires sending an IR code to charge).
- * Enhancement: REST/HTTP IR learn abort - IR learn via HTTP request ("../api/v1/irlearn") is now cleanly terminated if the HTTP request/socket is closed.
- * Enhancement: Improved Blaster recharge rate and repeat capability.
- * Improved firmware update process:
 - Interrupted update is now fully recoverable.

Changes from Webpages release -10

- * Added support for Flex Link Relay and Sensor cable, including a configuration page which includes a basic control and monitoring interface. NOTE: This is intended to demonstrate basic functionality, but not serve as a full control interface.
 - automatic detection when relay cable is plugged/unplugged
- * Updates for compatibility with new RESTful HTTP API
- * The general cable type is now selected from a dropdown.
- * Both 1 and 3 port IR cables are on the same configuration page, with a setting to distinguish between them.
- * Added periodic "heartbeat" API call to check for unit presence and alert user if no response
- * Added automatic detection of serial cable
- * Added confirmation box when applying network configuration changes

- * Added signal strength indication in the WiFi network list
- * Firmware version is displayed on the main page, instead of on it's own separate page.
- * Serial config web-page now supports higher baud-rates for v2 serial cable

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iTach Flex 710-XXXX-10 Release

Changes from the iTach Flex 710-XXXX-09 Release

- Fixed an issue where a Flex will not reconnect after loss of power to the router.
- Fixed IR learning issue where extremely long commands were not learned properly due to their length.
- Added support for the upgraded Flex Link Serial Cable with baud rates up to 57600 and 115200.

Changes from the iTach Flex 710-XXXX-07 Release

- Fixed a WiFi drop off issue where units would not reassociate with certain routers or access points after a period of time.
- Fixed a DHCP interaction problem where units would not obtain an address and then not issue a repeated request.
- Fixed a bug in WEP encryption that prevented connection with some routers.
- Implemented 8 concurrent TCP connections for the serial TCP port (4999).
- Implemented IR over HTTP.
- Implemented RS232 output over HTTP.
- Implemented IR learning over HTTP.

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iTach 710-XXXX-07 Release

Changes from the iTach Flex 710-XXXX-04 Release

- Fixed rare issue with Flex Link Serial Cable where transmissions would not send properly or would send extraneous null characters
- Fixed bug where an added line feed after the carriage return terminator caused subsequent commands to throw errors
- Fixed bug where repeated commands would not stop, causing repeated transfer which affected some commands, such as volume and channel controls
- Fixed bug that caused a file system corruption, preventing users from using the Flex web interface
- Implemented compressed IR

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iTach 710-XXXX-04 Release

This update provides fixes for some minor bugs as well as the implementation of new capabilities as shown below.

Changes from the iTach Flex 710-XXXX-03 Release

- iTach Flex units now support the Flex Link Serial Cable, with the web configuration pages now

containing all available serial settings.

- Fixed bug related to IR learning as implemented in partner software.
- Implemented Smooth Continuous IR.
- Implemented the Flex Link Blaster for both the individual Flex Link Port as well as the Flex Link Tri-port.
- Implemented iHelp automated update of iTach Flex firmware and webpages.

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