

Technical Bulletin

November 2023

Firmware Changes

SCS / SH4 firmware version 1.36 released

A new version of Smart Coin System / Smart Hopper firmware has now been released, 1.36. Firmware is contained within the currency dataset files and will be used on new sales orders.

Feature Highlights:

- Improved on the fly calibration method on SMART Hopper
- Improved robustness on secondary hopper communication
- SSP commands the get/set coin levels or routes reply with busy if slave hopper is in error state or not initialised yet



NV9 Spectral firmware version 1.19 released

A new version of NV9 Spectral firmware has now been released, 1.19. Firmware is contained within the currency dataset files and will be used on new sales orders.



ITL currency datasets are freely available from our website:
<https://innovative-technology.com/support/secure-download>

Feature Highlights:

- A feature is included that manages the rejection of notes to be paid to the MNF:
 - if the note is very twisted it is rejected as always
 - if the angle is not optimal but is acceptable to read, it is sent to the stacker with credit
- “Unable to stack” event when the device has no rear cover attached

Biometrics Range

A new version of firmware has now been released, 11.00 across our biometric range for ICU Lite, MyCheckr & MyCheckr^{Mini}.

Feature Highlights:

- Implemented auto-termination for added security
- Added face tracking
- Spoof LED indicator added for MyCheckr and MyCheckr^{Mini}
- API updates
- Improved gender detection



Full release notes for all products available on request.

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Product Firmware Version Reference Table

For a full list of firmware revision features and improvements please email:
support@innovative-technology.com

Product	BV20	BV30	NV9 / 11 / 12	NV9 Spectral	NV10USB+	NV200ST / SP	NV200 Spectral / Payout	SCS / SH4
Firmware	4.24	4.07	3.84	1.19	3.50	4.62	4.29	1.36

Biometrics

Product	ICU Lite	MyCheckr Range
Firmware	11.0	11.0

Hardware Changes

For full firmware or hardware release notes, please email: support@innovative-technology.com
or call: [+44 161 507 1818](tel:+441615071818)

NV9 Spectral Build Revision 8

- Modification to the rear lozenge to stiffen release clips
- Drive gear material changed to PBT, colour has been changed to red
- Rear clip added curved taper to central area to improve long note stacking
- New motor drive board with added cashbox sensor



Software Changes

Spectral SMART Data

Spectral SMART Data is now available on request via support@innovative-technology.com

Requirements *

- Create New - where there is no base ITL dataset 10 units are required for the data collection. Another 2 required to test the dataset
- Modify - For a Modify existing job you need 5 devices. Another 2 are required to test the dataset
- ITL reference notes are required to ensure the units are working well

* Part numbers available on request

Product	DA3 / DPS	Validator Manager	NVCard Utilities	ITL Drivers	SMART Data
Firmware	1.2.6	5.1	1.9.21	2.1	1.3.0

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IF17 Programming Kit [PA03837]

The IF17 Kit [PA03837] has replaced the DA2 programming kit and should be used with all ITL validators for improved protection against noise and a more robust power connector.

The IF17 Kit contains:

- IF17 [PA01081]
- USB cable [CN00214]
- Hopper SSP user interface cable [CN00385]
- Hopper power cable [CN00389]
- Payout host cable [CN00397]
- Payout to NV200 cable [WR00147]



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POWERING TRANSACTIONS AND INTERACTIONS

New Bezels

PA03822 is a new compatibility bezel to convert BV50 to NV9 rainbow bezel. This allows for easy fitment of the NV9 series in the NAMA style fascia's and cabinets.

Contact sales@innovative-technology.com for more information.



PA04224 a new **coin resistant bezel** is now available for the NV200 range.

Contact sales@innovative-technology.com for more information.



Innovative Technology Americas move to Georgia

Earlier this year Innovative Technology Americas relocated to a new facility in Suwanee, GA, just north of Atlanta.

Commenting on the move, Lauren Fabbri, Business Development Manager for the US operations said, “While our time spent in Pewaukee, WI was tremendous, we have elected to relocate and expand our US operations to the Atlanta, GA area and look forward to growing into our newly upgraded office in Georgia. We are up and running with all services in the new Atlanta office, including sales and technical support for all products plus retail product repairs. Our email remains the same, but we have two new contact numbers for customers to reach us on: [+1 800-281-3032](tel:+18002813032) and [+1 770-573-1943](tel:+17705731943).”





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POWERING TRANSACTIONS AND INTERACTIONS

New King Charles III banknotes

GBP new King Charles III datasets will be freely available by the end of the year to allow customers plenty of time to update units in the field ahead of their release in 2024 (date yet to be announced by the Bank of England).

New GBP currency datasets will be released for all current products identified with the dataset codes below. A SMART update will also be made available at this time for all current products. Check [here](#) for a full list of obsolete products NOT included in this update.

Product Range	Dataset Code
NV9USB+	XXX01 F
NV10USB+	XXX01 H
BV20	XXX01 J
BV30	XXX01 N
NV200 ST	XXX01 G
NV9 Spectral	XXX01 0
NV200 Spectral	XXX01 0

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