

# Technical Bulletin

June 2023

## Firmware Changes

### NV200 Spectral firmware version 4.26 released

A new version of NV200 Spectral firmware has now been released, 4.26. Firmware is contained within the currency dataset files and will be used on new sales orders.

#### Feature Highlights:

- Fixed an issue when using the Spectral Payout, that was causing the unit to reset

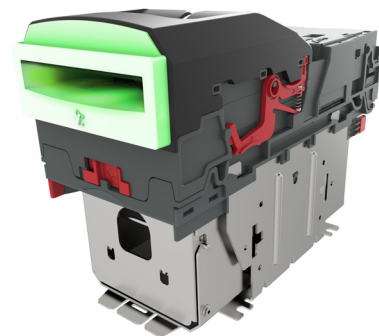


### NV9ST firmware version 3.84 released

A new version of NV9ST firmware has now been released, 3.84. Firmware is contained within the currency dataset files and will be used on new sales orders.

#### Feature Highlights:

- Improved barcode reading for NV12
- Fixed issue on ccTalk where sending command 230 Request inhibits, without prior 231 Set inhibits would result in a reply with no data



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

### **BV20 firmware version 4.24 released**

A new version of BV20 firmware has now been released, 4.24. Firmware is contained within the currency dataset files.

#### **Feature Highlights:**

- Programming card pulse per dollar setting allows value between 1 and 15 (any combo of 1, 2, 4 and 8)



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### **BV50 firmware version 4.22 released**

A new version of BV50 firmware has now been released, 4.22. Firmware is contained within the currency dataset files and will be used on new sales orders.

#### **Feature Highlights:**

- Fixed issue where note could end up in stacking position during unjamming



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

## Product Firmware Version Reference Table

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

Product	BV20	BV50	NV9 / 11 / 12	NV9 Spectral	NV10USB+	NV200 / SP	NV200 Spectral	SH	SCS
<b>Firmware</b>	4.24	4.22	3.84	1.18	3.50	4.61	4.26	6.55	1.34

## Software Changes

### Validator Manager (5.1)

A new version of validator manager has been released 5.1.

Always ensure you have the most up to date version of Validator Manager to access the latest functionality.

ITL software is freely available from our website:

<https://innovative-technology.com/support/secure-download/software-download-secure>

### SMART Data (1.3.0)

A new version of SMART Data has been released 1.3.0.

Please [download the latest version](#) before submitting any new SMART Data jobs.

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



## Repairs Procedure

As of 1st May 2023 we have updated our standard repairs warranty. Your ITL product is warranted against defects in material and workmanship for a period of 12-months or when MCBF\* is exceeded while owned by the original purchaser. The serviceable life for ITL repairs is usually 7 years from the manufacture date.

A Return Material Authorisation (RMA) is required for all customer returns. To return units for repair, rework or investigation, customers should contact repairs by email to receive an RMA number [repairs@innovative-technology.com](mailto:repairs@innovative-technology.com).

The updated terms can be found here: [Terms and Conditions](#).

MCBF by Product

Range	Product	MCBF
BV Range	BV30	100,000
	BV50 ST	
NV Range	CBA9	200,000
	NV9 USB+ ST	
	NV9 Spectral	
	NV10 ST	
	NV200 ST	
	NV200 Spectral	
Coin Range	SCS	100,000
	Twin SCS	
Hopper	SH3 ST	200,000
	SH4	
Payout	Payout ST	100,000
	Spectral Payout	
Note Float	Note Float	100,000
	Multi Note Float	
Printer	RP80	200,000

\*MCBF (Mean Cycles Between Failure)  
Reference Table

## Player Protection | Safer Gambling Blog

Following the long-awaited UK Government White Paper on gambling reform in the digital age we have prepared a [new blog](#).

Protecting vulnerable players is a vital but complex task. Operators need the right support and tools to maintain and advance player protection as technology develops. Biometric technology will play a key role in implementing these key reforms designed to improve player protection.



In this paper we discuss how Biometrics can help operators in the vital task of protecting vulnerable players in 3 key areas:

- 1) Age estimation at multiple touch-points
- 2) Monitoring daily spend and losses for a player
- 3) Identifying self-excluded players

Read more [here](#).

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