For more information please contact support@innovative-technology.co.uk

Product	BV20	BV50	BV100	NV9 USB / NV11	NV10 USB	NV200 / SMART Payout	SMART Hopper
Firmware Revision	4.16	4.12	4.14	3.55	3.35	4.23	6.20

BV100 firmware version 4.14 released

A new version of BV100 firmware has now been released 4.14. Firmware is contained within the currency dataset files and is available to download from our website within Technical Support / Currency Download.

New Features:
- Software alterations to support minor hardware changes
Improvements/Fixes:
- Disabled sent when note is in Escrow on MDB
- Returned note correctly reported on NIS, previously reported as rejected.

BV20 firmware version 4.16 released

A new version of BV20 firmware has now been released 4.16. Firmware is contained within the currency dataset files and is available to download from our website within Technical Support / Currency Download.

Feature updates:
- Software alterations to support minor hardware changes
Improvements/Fixes:
- If a second note is inserted almost immediately after the first, the first note will now be credited correctly, previously there was a chance for first note not to be credited.
- Disabled sent when note is in Escrow on MDB
- Returned note correctly reported on NIS, previously reported as rejected.

DA3 SMART Update Tool - Euro €10

A new DA3 SMART Update Tool has been released to aid customers to update their validators to accept the €10 note that will enter circulation in September. With the use of a DA3 handheld programmer and a standard SD card all ITL validators can be quickly and simply updated to accept the new €10 note. The DA3 SMART Update Tool for the new €10 note can be downloaded from our website within Technical Support / Software Download where a quick start guide explains the whole procedure.

We recommend updating DA3 firmware and DPS to the latest available version.

Innovative Technology
INTELLIGENCE IN VALIDATION

SPF™

Bellis Technology
INTELLIGENCE IN VALIDATION

For more information please contact support@innovative-technology.co.uk

Software Product	DA3	DPS	Validator Manager	SMART PIPS	NV Card Utilities	ITL Drivers	DA3 SMART Update - €5
Software Revision	1.15	1.1.4	4.3.2	2.3.1	1.4	2.0	1.2

Bezel Error Codes

In the event of an error validator bezel LEDs will flash to indicate the specific error cause. A handy crib sheet has been created, understanding error flash codes for ITL devices, which can be found at the end of this bulletin. The one page document lists error codes for the NV200, NV11, SMART Payout, NV9 USB, NV10 USB and the BV Series as well as how to interpret flash codes for the DA3 handheld programmer. The example below details error codes for the NV200.

NV200
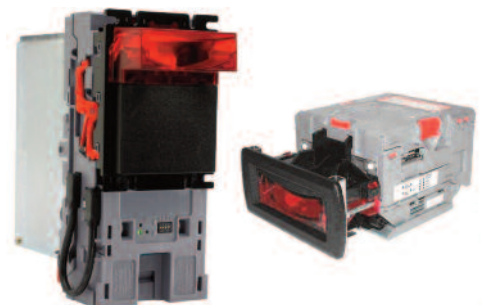
Flashes		Indicated Status / Error
Red	Blue	
0	0	None
1	1	Note Path Open
	2	Note Path Jam
	3	Unit Not Initialised
2	1	Cashbox Removed
	2	Cashbox Jam
3	1	Firmware Checksum Error
	2	Interface Checksum Error
	3	EEPROM Checksum Error
	4	Dataset Checksum Error
4	1	Power Supply too Low
	2	Power Supply too High
	3	Card Format
	4	Payout Reset
5	1	Firmware Mismatch

Support for original NV9 / NV10 units

We would like to reassure customers that currency dataset files for the original NV9 and NV10 units will be supported until the end of next year 2015, which will allow for the future €20 to be incorporated. As always datasets will be uploaded to our website and will be freely available in advance of the notes official release.

We guarantee to update datasets until the end of December 2015 whilst spare parts and repairs will be available until December 2014 only.

The original NV9 & NV10 have Dipswitches

Innovative Technology
® INTELLIGENCE IN VALIDATION

SPF™

Bellis Technology
® INTELLIGENCE IN VALIDATION

Newly released datasets

Country	Code	Reason	Validator
Israel / USA / Euro mixed	I0001	New dataset	NV200
Kuwait	KWD01	New notes added	BV20 / BV100
South Africa	ZAR01/71	Improved acceptance	NV200
Thailand	THB01	New 500 baht added	NV9/USB, NV10/USB, BV20

How to... download ITL currency dataset files.

A new how to video has been added to our You Tube Channel showing how to download ITL currency dataset files and initially how to register with our website.

The video provides step by step instructions to guide customers worldwide through the free currency download area of www.innovative-technology.co.uk within Technical Support. More how to videos will be uploaded to our You Tube Channel so please subscribe to stay up to date.

Downloading ITL Currency Datasets

Innovative Technology
INTELLIGENCE IN VALIDATION

SPF™

Bellis Technology
INTELLIGENCE IN VALIDATION

NV200

Flashes		Indicated Status / Error
Red	**Blue**	
0	**0**	None
1	**1**	Note Path Open
	2	Note Path Jam
	3	Unit Not Initialised
2	**1**	Cashbox Removed
	2	Cashbox Jam
3	**1**	Firmware Checksum Error
	2	Interface Checksum Error
	3	EEPROM Checksum Error
	4	Dataset Checksum Error
4	**1**	Power Supply too Low
	2	Power Supply too High
	3	Card Format
	4	Payout Reset
5	**1**	Firmware Mismatch

NV11 (Note Float)

Flashes	Indicated Status / Error
Off	Normal Operation
Constant flash at 1Hz	Note Transport Error in Note Float
2 Flashes, pause (repeated)	Software Error
3 Flashes, pause (repeated)	Calibration Error
4 Flashes, pause (repeated)	Diverter Error
5 Flashes, pause (repeated)	Motor Timeout

SMART Payout

Status Indicators		Flashes	Indicated Status / Error
Red	**Green**		
🔴		**0**	No Power
		1	Motor / Barcode Error
		2	Note Sensor Error
		3	EEPROM Error
		4	Payout Jammed
		5	Diverter Error
		6	Detected a Note Movement
🔴	🟢	**0**	
		1	Power Reset
		2	Wake Up from Low Power
		3	Software Reset
		4	Software Command
		5	User Manual Reset
		6	Power Supply Issue
		7	Unknown Cause
	🟢	**1 Hz**	All OK

NV9 USB, NV10 USB, BV Series

No. of LONG flashes	No. of SHORT flashes				
	1	**2**	**3**	**4**	**5**
1	Note Path Open	Note Path Jam	Unit Not Initialized	Sensor Covered	
2	Cash Box Removed	Cash Box Jam			
3	Firmware Checksum	Interface Checksum	EEPROM Checksum	Dataset Checksum	Note Float Incompatable
4	PSU too Low	PSU too High			

DA3

1 Long flash and then –

No. of SHORT flashes	Indicated Status / Error
2	No validator connection found
3	No valid download files found
4	Download fail
5	Memory card fail