

# SMART PAYOUT MANUAL SET

## INTRODUCTION

INTELLIGENCE IN VALIDATION

Innovative Technology assume no responsibility for errors, omissions, or damages resulting from the use of information contained within this manual.

## MANUAL AMENDMENTS

### Document Base Details

Spec. Used	Issue Date	Receipt Date	Comments
GA860-2 draft	10/09/09	22/01/11	
GA620-2	30/09/08	22/01/11	
GA138	01/11/10	22/01/11	

### Amendment Details

Rev.	Date	Amendment Details	Issued by
--	11/04/11	First Issue	EAM
A	10/06/11	Addition of power cable minimum sizing and other minor updates	EAM
B	21/06/11	Update to list of offices	EAM
C	22/07/11	Addition of earth bonding information	EAM
D	05/09/11	Added bezel securing information	EAM

## SMART PAYOUT MANUAL SET - INTRODUCTION

MANUAL AMENDMENTS	1
COPYRIGHT	3
LIMITED WARRANTY	3
PRODUCT SAFETY INFORMATION	3
INTRODUCTION	4
FEATURES	5
TYPICAL APPLICATIONS	5
STRUCTURE OF THIS MANUAL SET	6
WHICH SECTION IS RELEVANT TO ME?	6

### MAIN HEADQUARTERS

Innovative Technology Ltd  
Derker Street – Oldham – England - OL1 4EQ  
Tel: +44 161 626 9999 Fax: +44 161 620 2090  
E-mail: [support@innovative-technology.co.uk](mailto:support@innovative-technology.co.uk)  
Web site: [www.innovative-technology.co.uk](http://www.innovative-technology.co.uk)



#### AUSTRALIA

[support@innovative-technology.com.au](mailto:support@innovative-technology.com.au)

#### BRAZIL

[suporte@bellis-technology.com.br](mailto:suporte@bellis-technology.com.br)

#### CHINA

[support@innovative-technology.co.uk](mailto:support@innovative-technology.co.uk)

#### GERMANY

[supportDE@innovative-technology.eu](mailto:supportDE@innovative-technology.eu)

#### ITALY

[supportIT@innovative-technology.eu](mailto:supportIT@innovative-technology.eu)

#### SPAIN

[supportES@innovative-technology.eu](mailto:supportES@innovative-technology.eu)

#### UNITED KINGDOM

[support@innovative-technology.co.uk](mailto:support@innovative-technology.co.uk)

#### REST OF THE WORLD

[support@innovative-technology.co.uk](mailto:support@innovative-technology.co.uk)



## COPYRIGHT

This manual set is Copyright © Innovative Technology Ltd. 2014. No part of this publication may be reproduced in any form or by any means or used to make any derivative such as translation, transformation, or adaptation without permission from Innovative Technology Ltd. The contents of this manual set may be subject to change without prior notice.

## LIMITED WARRANTY

Innovative Technology Ltd warrants each of its hardware products to be free from defects in workmanship and materials under normal use and service for a period commencing on the date of purchase from Innovative Technology Ltd or its Authorized Reseller, and extending for the length of time stipulated by Innovative Technology Ltd.

A list of Innovative Technology Ltd offices can be found in every section of this manual set. If the product proves defective within the applicable warranty period, Innovative Technology Ltd will repair or replace the product. Innovative Technology Ltd shall have the sole discretion whether to repair or replace, and any replacement product supplied may be new or reconditioned.

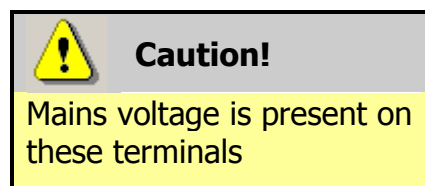
The foregoing warranties and remedies are exclusive and are in lieu of all other warranties, expressed or implied, either in fact or by operation of law, statutory or otherwise, including warranties of merchantability and fitness for a particular purpose.

Innovative Technology Ltd shall not be liable under this warranty if it's testing and examination disclose that the alleged defect in the product does not exist or was caused by the customer's or any third person's misuse, neglect, improper installation or testing, unauthorized attempts to repair, or any other cause beyond the range of the intended use. In no event will Innovative Technology Ltd be liable for any damages, including loss of profits, cost of cover or other incidental, consequential or indirect damages arising out the installation, maintenance, use, performance, failure or interruption of a Innovative Technology Ltd product, however caused.

## PRODUCT SAFETY INFORMATION

Throughout this manual set, we may draw your attention to key safety points that you should be aware of when using or maintaining the product.

These safety points will be highlighted in a box, like this:



This manual set and the information it contains is only applicable to the model stated on the front cover, and must not be used with any other make or model.



## INTRODUCTION

The SMART Payout unit is made up of three basic components: an NV200 Validator, a cashbox and a payout module (as shown below). The Payout module is an add-on designed to be fitted to the Innovative Technology NV200 bank note validator.



The SMART Payout unit is a device that can validate, store and later dispense up to 70 bank notes of mixed denominations.



**Payout Module  
Side View**



**Payout Module  
Top View**



**Payout Module  
Front View**

Validated bank notes can be stored in the NV200's secure cashbox or travel into the payout module if needed for future payouts. The SMART Payout unit works with any SMART Payout currency dataset created by Innovative Technology Ltd.

## FEATURES

The SMART Payout unit has many innovative features, including:

- Multiple denomination note payouts.
- Accepts, validates and stores multiple denominations of bank notes in less than 10 seconds
- Payout of multiple bank note denominations in around 10 seconds
- Payout function is automated
- Less frequent cash removal & float re-fill
- Uses a secure encrypted protocol for data transfer

## TYPICAL APPLICATIONS

The SMART Payout unit can be used in a variety of situations where bank note acceptance, validation and payout are needed. Some typical applications are:

- Automated change transactions
- AWP and SWP applications
- Self-Serve and Retail
- Kiosks
- Casinos
- Parking and Ticketing
- Vending

## STRUCTURE OF THIS MANUAL SET

This manual set is made up of seven sections, each is supplied in a separate Portable Document Format (PDF) file, so you only need to download or print the section relevant to your requirements:

- Introduction
- Section 1 – Quick Start and Configuration Guide
- Section 2 – Field Service Manual
- Section 3 – ITL Software Support Guide
- Section 4 – Mechanical and Electrical Manual
- Section 5 – Software Implementation Guide
- Section 6 – Technical Appendices

## WHICH SECTION IS RELEVANT TO ME?

- **Quick Start and Configuration Guide:**
  - Most users should use this section; typical users are software engineers looking at how to make it work, project engineers evaluating their first unit, or installation engineers installing the unit into a host machine.
  - This section contains the essential information that a user needs to quickly assemble and configure the SMART Payout unit ready for installation into the host machine.
- **Field Service Manual:**
  - Typically used by a field service engineer who is maintaining the product.
  - This section contains the essential information that the field service engineer needs to clean, maintain and fault find a SMART Payout unit that is installed in a host machine.
- **ITL Software Support Guide:**
  - Any user who wants to test the functionality of the unit, reprogram the firmware or dataset, or set up the encryption key, address or routing for the unit.
  - This section contains the information needed for a user to configure and program the SMART Payout unit, using a range of software tools such as PiPS.



- **Mechanical and Electrical Manual:**

- Design engineers who are designing a host machine cabinet, or looking to integrate the SMART Payout unit into an existing cabinet.
- This section contains the all the mechanical and electrical information a designer needs to effectively integrate the SMART Payout unit into a host machine.

- **Software Implementation Guide:**

- Software engineers looking at how to implement the SMART Payout unit in their host machine, or design engineers looking at including the unit in their host machine.
- The information in this section details the communications protocols, specific commands and interfaces used including eSSP and CC2.

- **Technical Appendices:**

- These appendices have no specific audience, but users can find relevant and useful information here.
- This section includes information on product approvals, technical specifications and ordering information.