USER MANUAL

BTPay 200
Bluetooth Reader

04/10/2013

Revision History

Rev	Date	Description of Changes	By
A	8/20/2012	Initial release	

Table of Contents

Table of Contents....2
1 Introduction....3
2 Applicable Documents....3
3 Features and Benefits....3
4 Model Designations....3
5 Specifications....4
6 Operation description....5
7 Outline Drawing....12

Copyright © 2010-2013, International Technologies & Systems Corp. All rights reserved.

1 Introduction

The BTPay 200 is a Payment Card Industry (PCI) certified Personal Identification Number (PIN) Entry Device that encrypts a PIN for secure transmission that works with mobile devices or PCs with Bluetooth connectivity. It includes a PIN Pad, a secure MagStripe reader and a Smart Card reader.

2 Applicable Documents

ISO 7810	Identification cards -- Physical characteristics
ISO 7811 - 1 through 6	Identification Cards - Track 1 through 3
ISO 4909	Magnetic stripe content for track 3
ISO 7812	Identification Cards – Identification for issuers Part 1 & 2
ISO 7813	Identification Cards – Financial Transaction Cards
AAMVA Specifications	Drivers License Standards - Most recent available

3 Features and Benefits

- Bluetooth communication for all major Smart Phone platforms
- Wireless range up to 30 feet
- Battery life: 4 hours active, 8 hours standby
- Integrated EMV Chip & PIN solution
- Bi-Directional MSR that reads up to 3 tracks of information
- Low power consumption when reader is in standby mode
- Uses an external battery charger with Micro-B connectivity.
- Compact and ergonomic design to fit comfortably in user’s hand
- Encrypted MSR and encrypted keyed-in output.
- 1 year manufacturer warranty

4 Model Designations

BTPay 200 IDMR-PBT81133TEB

Copyright © 2010-2013, International Technologies & Systems Corp. All rights reserved.

5 Specifications

- Interface
  - Bluetooth v2.1 + EDR System
  - Can also be a standalone USB device for key injection when a Micro-B to A USB cable is connected
  - Bluetooth is disabled during key injection or DFU communication
- Batteries
  - Rechargeable battery
  - Battery life:
    - Up to 8 hours in standby mode
    - Up to 4 hours in active mode
    - Active mode is defined as 10+ swipes per hour
  - Charging through Micro-B interface external charger
- The unit is functional if Bluetooth connection is on while charging
- Magnetic stripe
  - Meets ISO 7811 specification
  - Supports AAMVA formats
  - Support single, dual or triple tracks.
  - Bi-directional
  - DES, 3DES, & AES Encryption
- Smart Card reader
  - EMV level 1
  - Reads ISO 7816 microprocessor cards
  - Card seated switch
  - Sliding contact
- PIN Pad
  - MK/SK, DUKPT Key Management
  - DES and 3DES Encryption
  - ANSI X9.8 recommended key layout (10 numerical keys, 3 function keys, 3 operation keys)
  - ADA compliance
  - Supports clear text entry
- LCD
  - Graphics LCM unit consists of 128(segment) x 64(common) dots dot-matrix LCD panel. to meet minimum EMV Level 2 requirement
- Reliability
  - Magnetic Head Life: 300,000 passes minimum
  - Rail and Cover Life: 100,000 passes minimum
  - MTBF: 300,000 POH
- Electro-Static Discharges (ESD)

Copyright © 2010-2013, International Technologies & Systems Corp. All rights reserved.

- 4kV contact, and 8kV air discharge

- Environmental

Temperature range

- Operating 0 to 55° C (32 to 131° F) [non-condensing]
- Storage -30 to 70° C (-22 to 158° F) [non-condensing]

Relative humidity: maximum 95% (non-condensing)

6 Operation

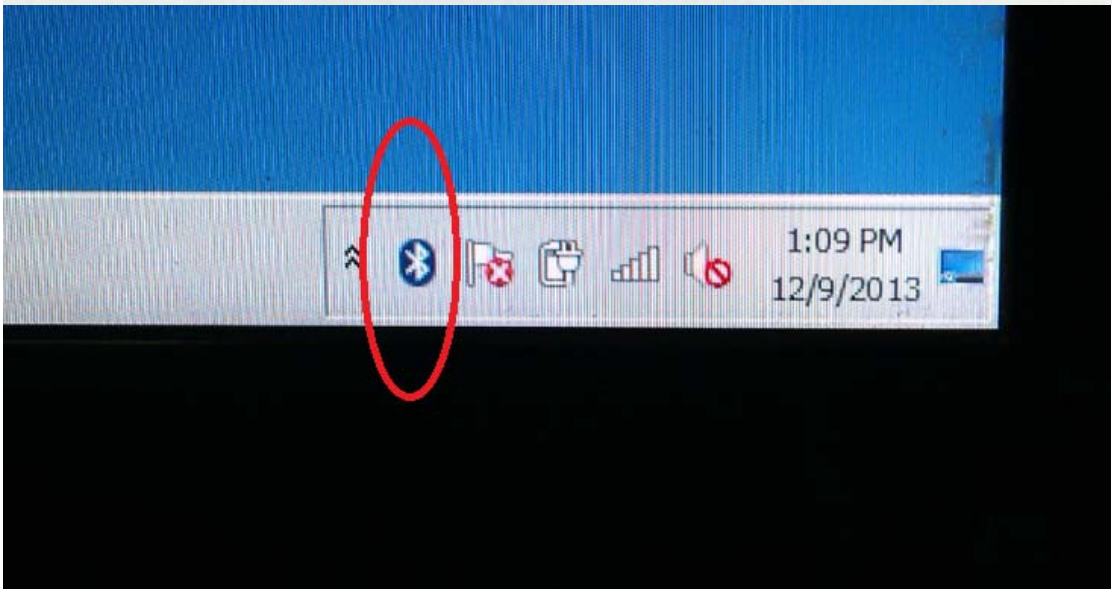
How to make Bluetooth link between the BTPay 200 and PC

please follow these steps:

1. Install the battery to power on the BTPay 200, please ensure that the battery is fully charged before installing. After the BTPay 200 starts working properly it will display the information.

Copyright © 2010-2013, International Technologies & Systems Corp. All rights reserved.

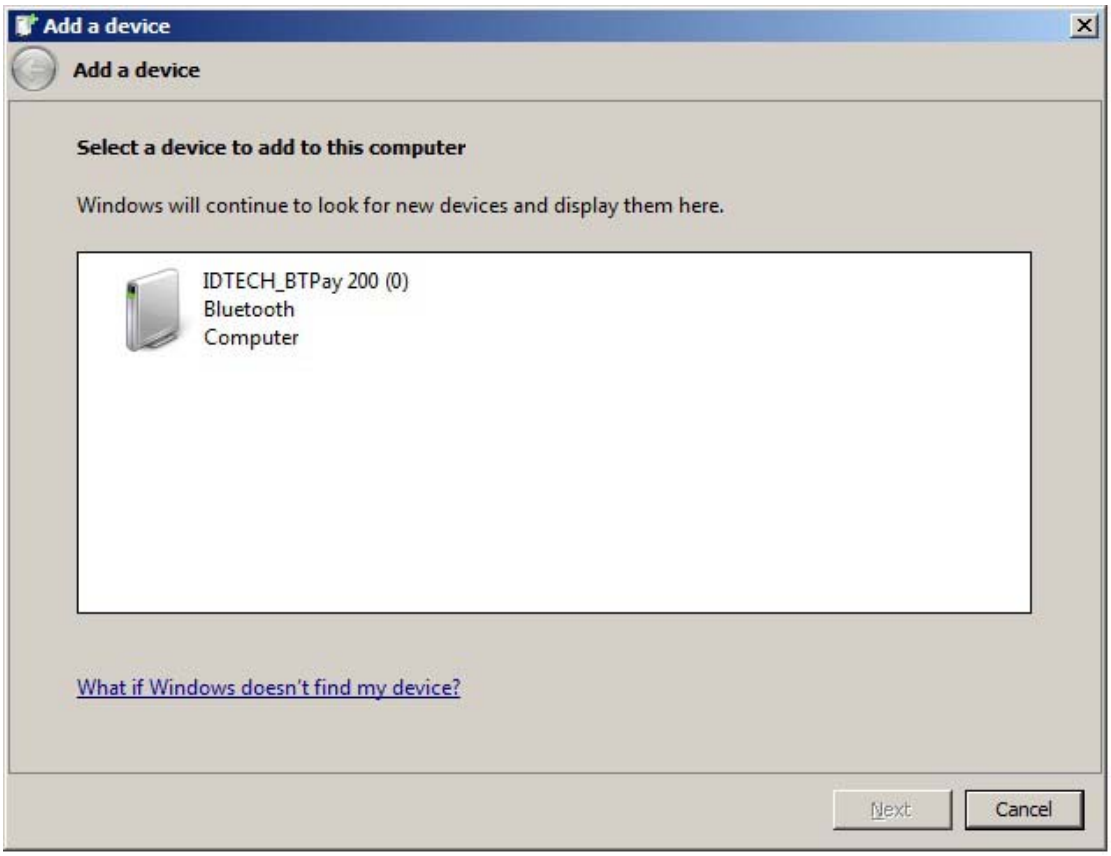
2. Insert the Bluetooth adapter into the USB port on the PC. The Bluetooth adapter work properly the computer will display the Bluetooth icon



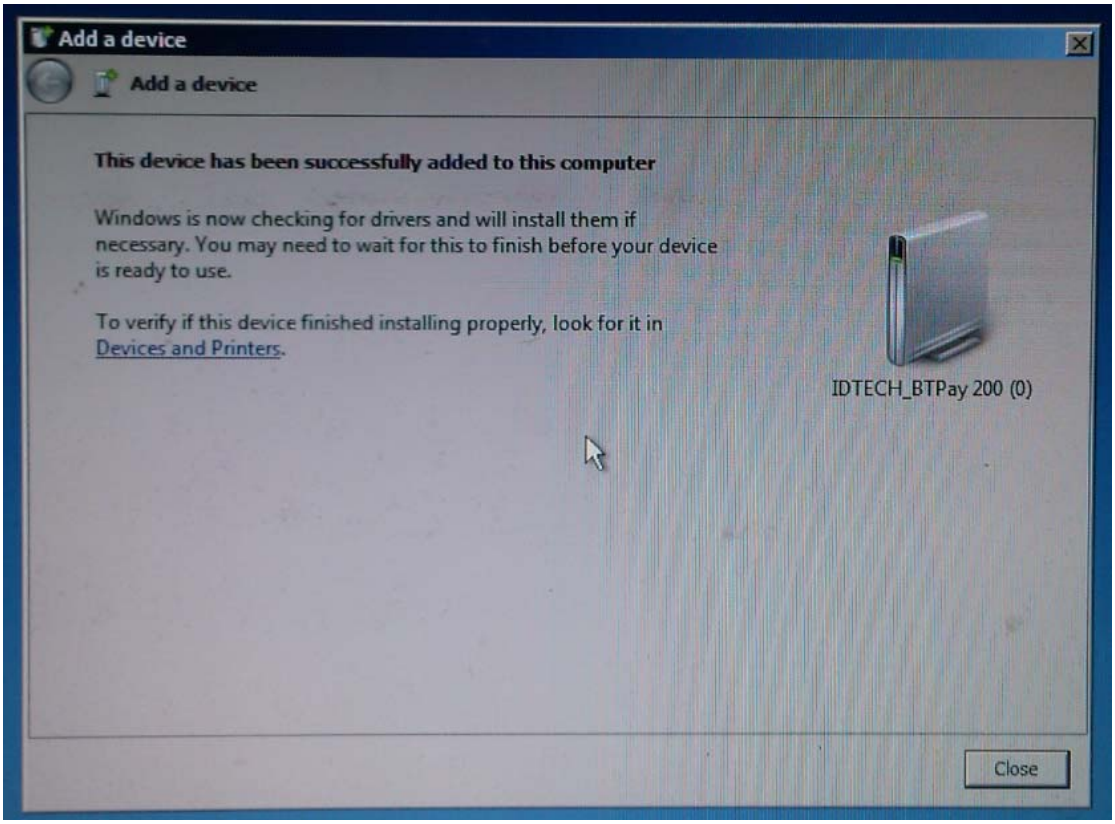
Copyright © 2010-2013, International Technologies & Systems Corp. All rights reserved.

3. Add a Device

Copyright © 2010-2013, International Technologies & Systems Corp. All rights reserved.

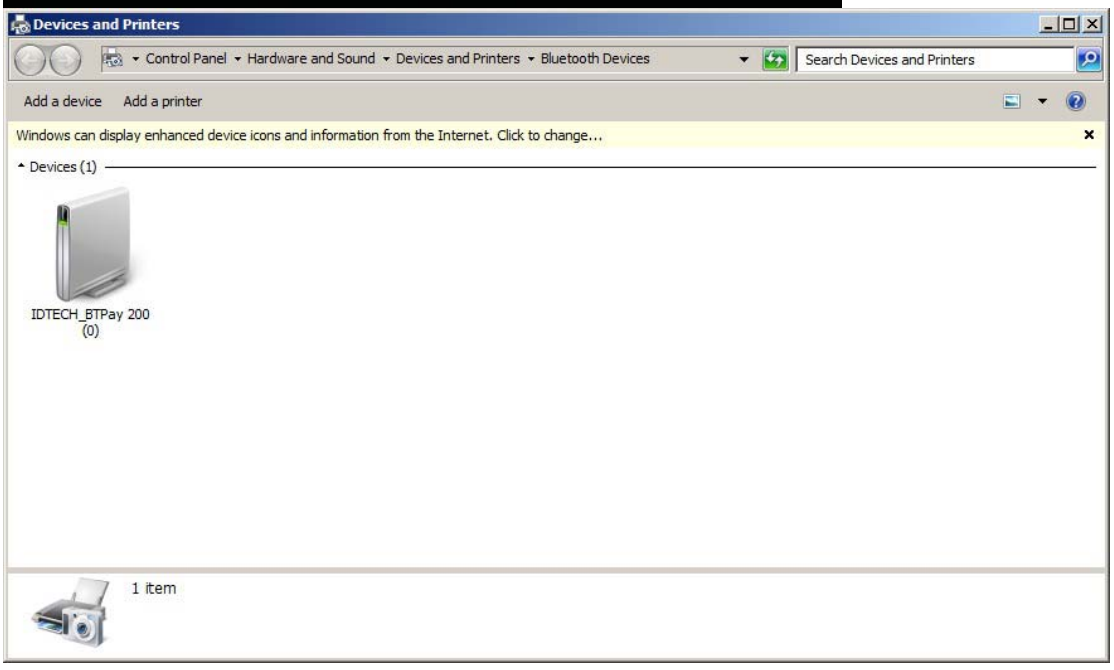


Copyright © 2010-2013, International Technologies & Systems Corp. All rights reserved.

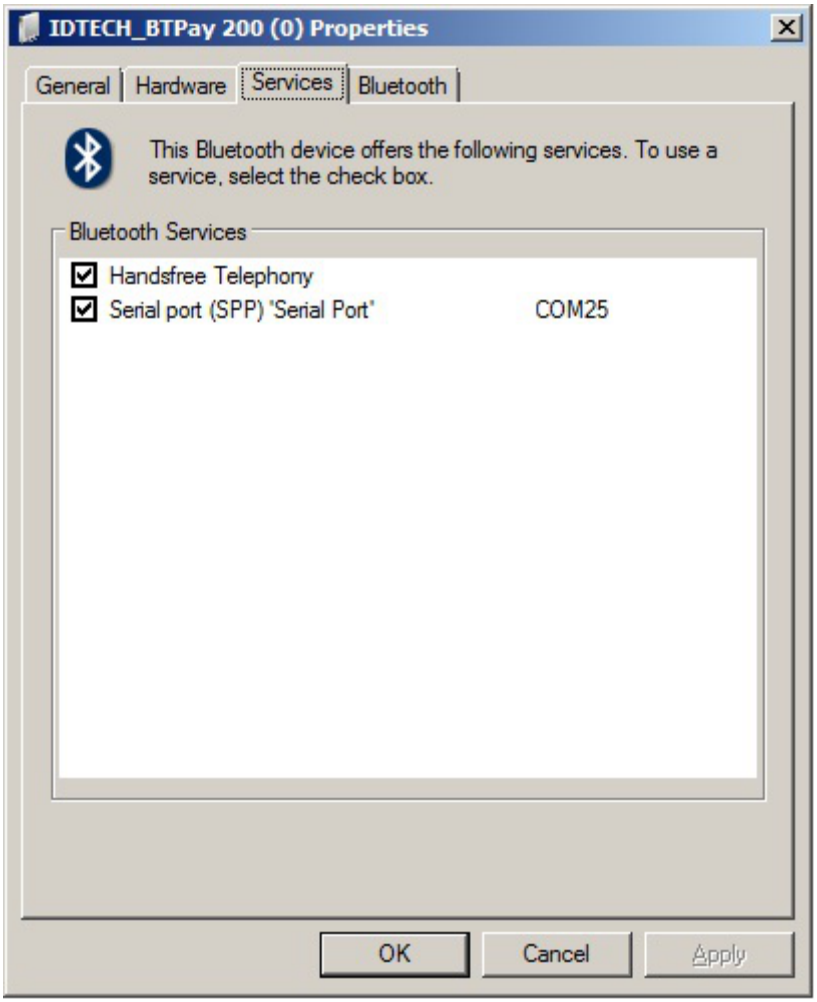


4. After the device was successfully added to the computer, select “Show Bluetooth Devices” and found the correct communication serial port.

Copyright © 2010-2013, International Technologies & Systems Corp. All rights reserved.



Copyright © 2010-2013, International Technologies & Systems Corp. All rights reserved.



Copyright © 2010-2013, International Technologies & Systems Corp. All rights reserved.

7 Outline Drawing

Copyright © 2010-2013, International Technologies & Systems Corp. All rights reserved.

FCC INFORMATION

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and 2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not
occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

RF Exposure: A distance of 20 cm shall be maintained between the antenna and users, and the transmitter may not be co-located with any other transmitter or antenna.

Copyright © 2010-2013, International Technologies & Systems Corp. All rights reserved.