

# Glancetron 1300B

## User Manual



This equipment has been tested and found to comply with the limits of Class A digital devices. 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, if not installed and used in accordance with the instructions, may cause harmful interference. 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 correcting 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. This booklet is available from the U.S. government Printing Office, Washington, DC 20402, Stock NO. 004-000-00345-4.

CAUTION: Any changes or modifications not expressly approved by the guarantee of this device could void the user's authority to operate the equipment.

Operation is subject to the following two conditions:

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



# Introduction

JB-1300B iButton key reader is a smart device specially designed to be used with Dallas iButton keys.

Customer may use JB-1300 to read ID and data from an iButton key by contact, once the key touches the gutter of reader, then key data will be sent to a receiver such as a personal computer through the PS2 / RS232 / USB-KB / USB-RS232 interface.

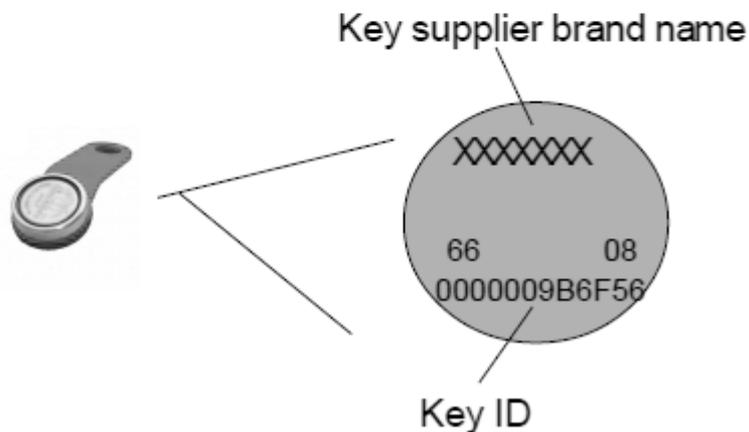


i Button Reader



Key

**Picture 1-1: Outward of Reader and Key**



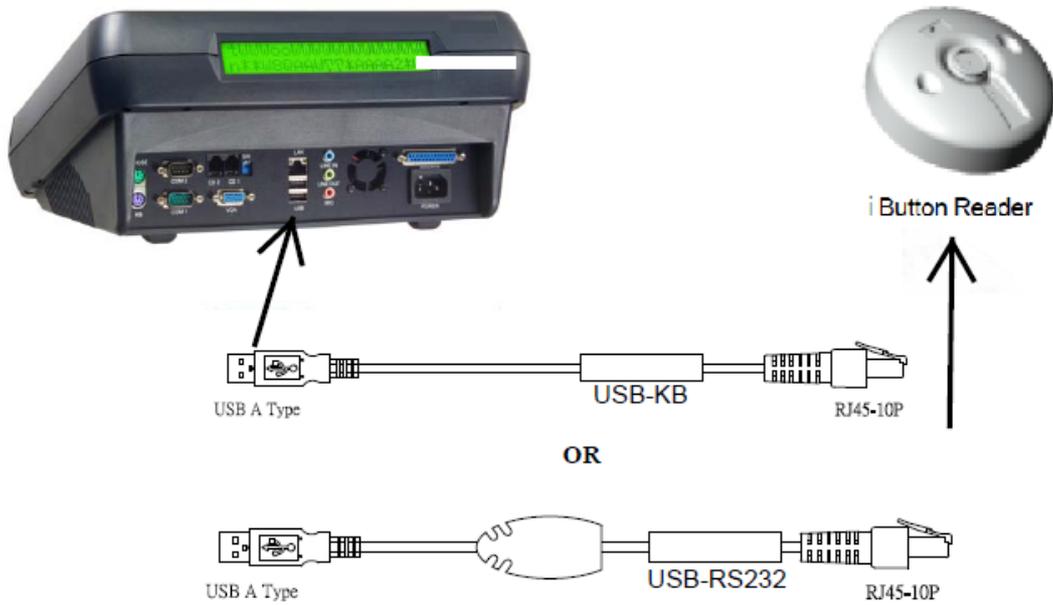
**Picture 1-2 : Key ID. Each key contains uniq ID**

# Specification

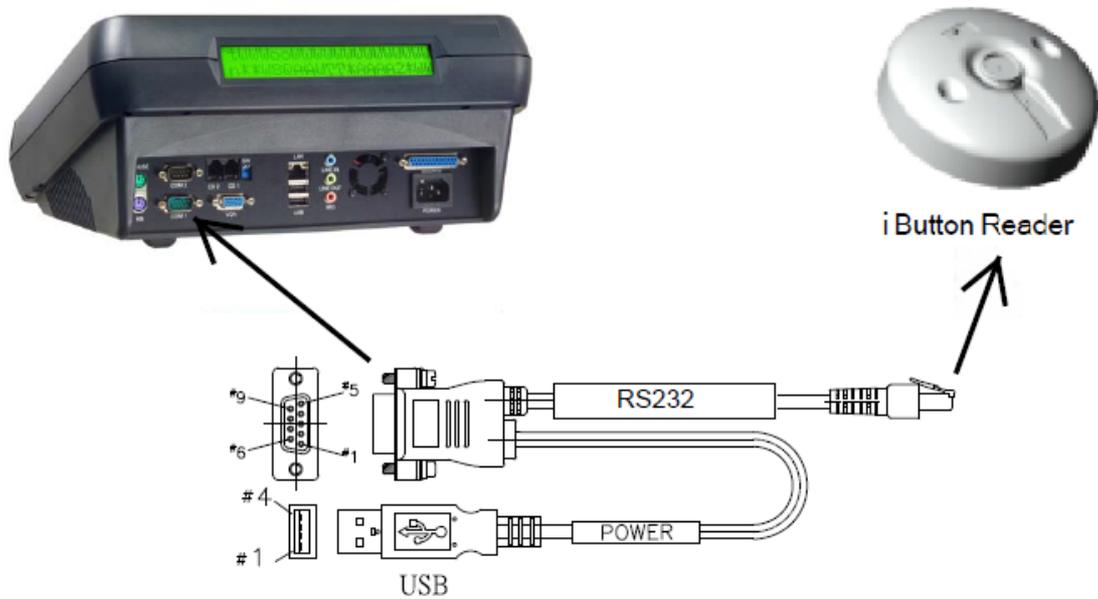
I/O Port:	One RJ-45 phone Jack One gutter for key set
Indicator:	Green LED will turn on when powered on Orange to indicate the operation status Red for error status
Mechanical:	Diameter: 12.65cm Height: 2.5cm Weight: 800g
Cable:	Standard: USB-KB cable Optional: USB-RS232 cable, Standard RS232 cable, PS2 keyboard cable
Key Dimension:	Diameter: 2.5cm Height: 0.6cm
Environment:	Operating temperature: 0°C-40°C Storage temperature: -20°C-60°C Humidity: 10%-90% RH (non-condensing)

# Cables

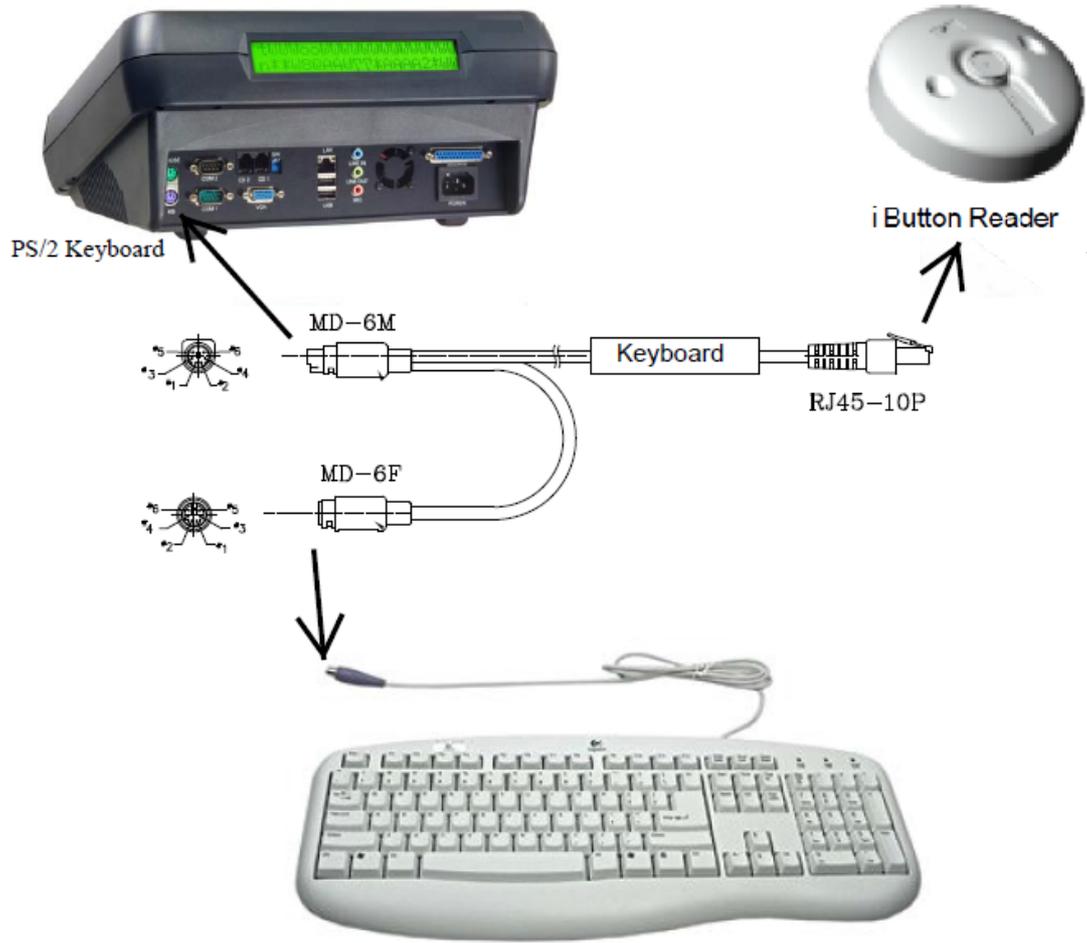
USB-HID, USB-RS232:



RS232:

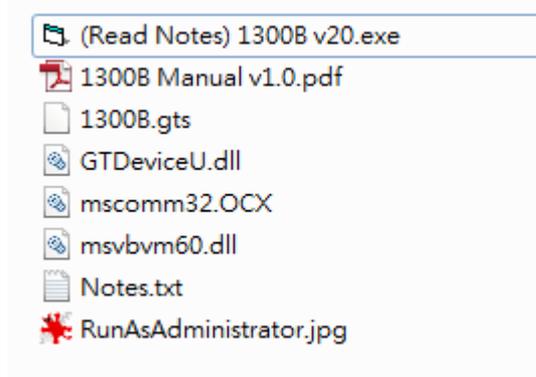


PS2 Keyboard:



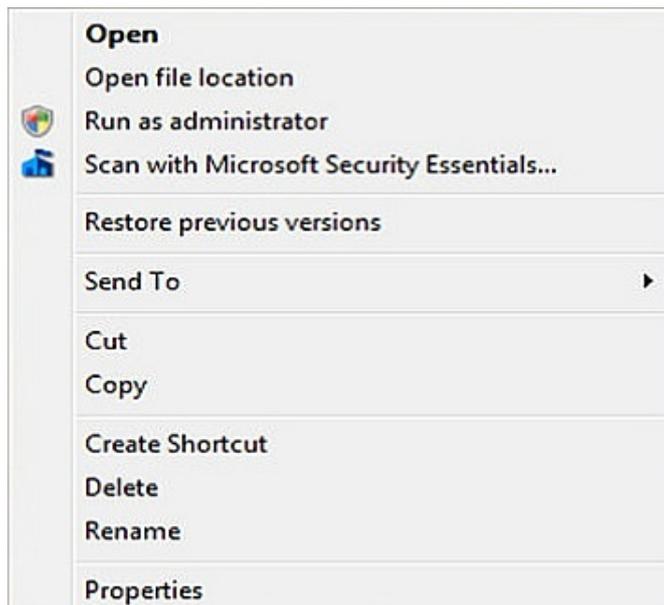
# Programming

The files in the CD:



## 1. Run “(Read Notes) 1300B v20.exe “ in Windows.

Please note: if an error occurs, please right click on the exe file and choose “Run as administrator”.



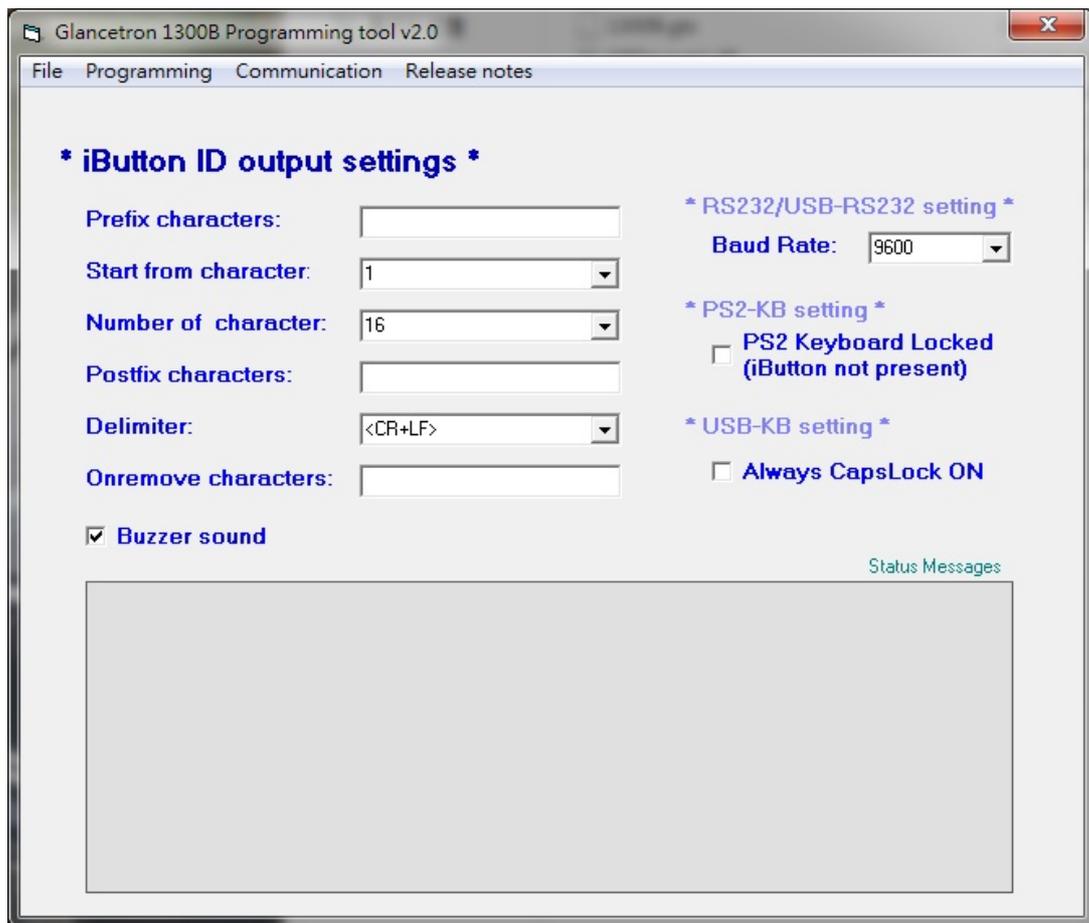
## 2. The iButton ID output settings:

1300B reads the iButton ID (16 characters) and sends it to the HOST (PC) when the user puts an iButton on the socket. The output block format is:

**[Prefix] [ID 16 characters] [Postfix] [Delimiter]**

When the iButton is removed, 1300B will output:

**[OnRemove characters]**



## Fields:

**[Prefix Characters]:** The lead of output data block, max 7 characters

**[Start from character] :** Set at which character (1 to 16) to start reading the "ID 16 characters" block, default is 1.

**[Number of character] :** Set how many characters (1 to 16) of "ID 16 characters" will be sent, default is 16.

**[Postfix characters] :** The end of output data block, max 7 characters.

**[Delimiter]:** Set a line feed, return, etc. that will be sent after the data block, default is <CR>+<LF>

**[OnRemove characters]:** Max 7 characters for notes when the iButton is removed.

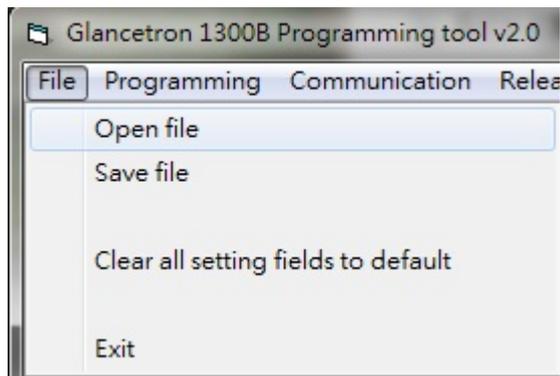
**[Buzzer sound] :** Enable / Disable the beep sound when 1300B reads the iButton.

**[Baud Rate] :** The RS232 baud rate setting for RS232/USB-RS232 interface cables.

**[PS2 Keyboard Locked]:** Enable / Disable standard PS2 keyboard lock the iButton is not on the socket, only for PS2 interface cable.

**[Always CapsLock ON]:** CapsLock will auto ON when sending data, only for USB-KB interface cable.

### 3. The Function [File]:



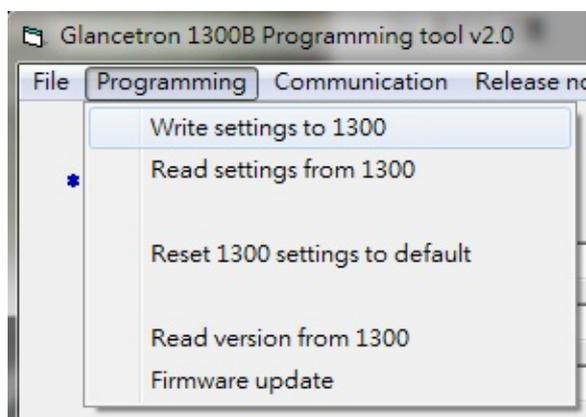
**[Open file]:** To open a settings file , the fields data on the screen will be replaced.

**[Save file]:** Save all settings to a file, type the file name manually to save as a different file.

**[Clear all setting fields to default]:** This will set all fields to default value.

**[Exit]:** This will close the programming tool.

### 4. The Function [Programming]:



- Notes: The programming tool does not support PS2 interface programming.

**[Write settings to 1300]:** Write all settings to 1300B, the programming tool will Auto search the 1300B on all interfaces (USB-HID, USB-RS232, RS232) and show the results on the status message window.

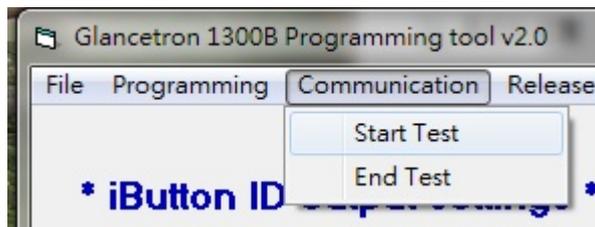
**[Read settings from 1300]:** To read all settings from 1300B.

**[Reset 1300 settings to default]:** This will reset 1300B to factory default settings.

**[Read version from 1300]:** To read firmware version of 1300B.

**[Firmware update]:** Update the 1300B firmware to new released firmware.

## 5. The Function [Communication] :



**[Start Test]:** To test reading iButton data with 1300B. This is helpful to test the settings. Which programmed to 1300B before. Will auto search the 1300B on all interfaces, the data will be showed on the status message window.

**[End Test]:** End 1300B communication.

## 6. The Function [Release notes]:



The history of programming tool release notes.