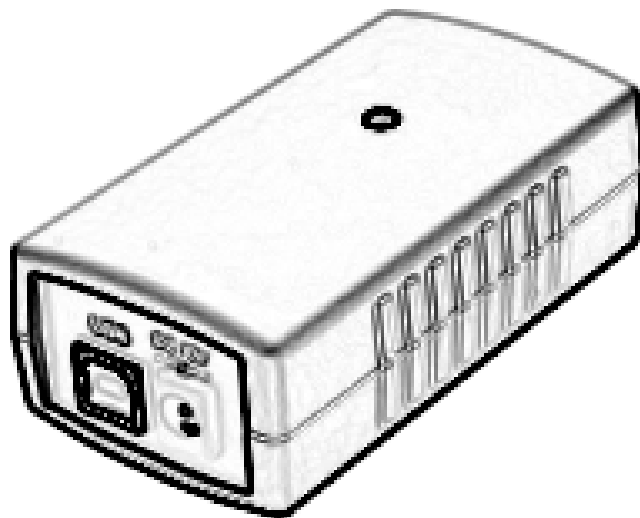# Cash Drawer Opener
SERIES 8005USB

Operation Manual

Version 1.0

This equipment has been tested and found to comply with the limits for Class A 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 if not installed and used in accordance with the instructions may cause harmful 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 correct 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 of modifications not expressly approved by the grantee of this device could void the user 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.

8005U User Manual

I. Instruction of 8005U USB Cash drawer opener

1. General description

The 8005U USB cash drawer opener is designed to open 24V cash drawers by sending any character through USB interface.
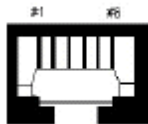
 * **Cash drawers with any other kind of Voltage could be harmful to this equipment. Glancetron is not responsible for such damages.**

2. 8005U USB LED statuses

Flash: normal operation
ON (RED LED): normal operation

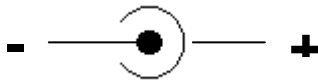### 3. 8005U USB pin out

#2, #5: By Trigger
#4: Default 24V

4. 8005U USB Power requirements
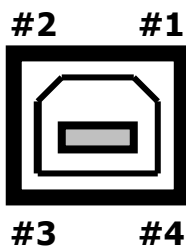
An external power supply may also be used.

Power plug
Inside: GND
Outside: +12V

USB port:

#2   **#1**

USB
#1: VCC
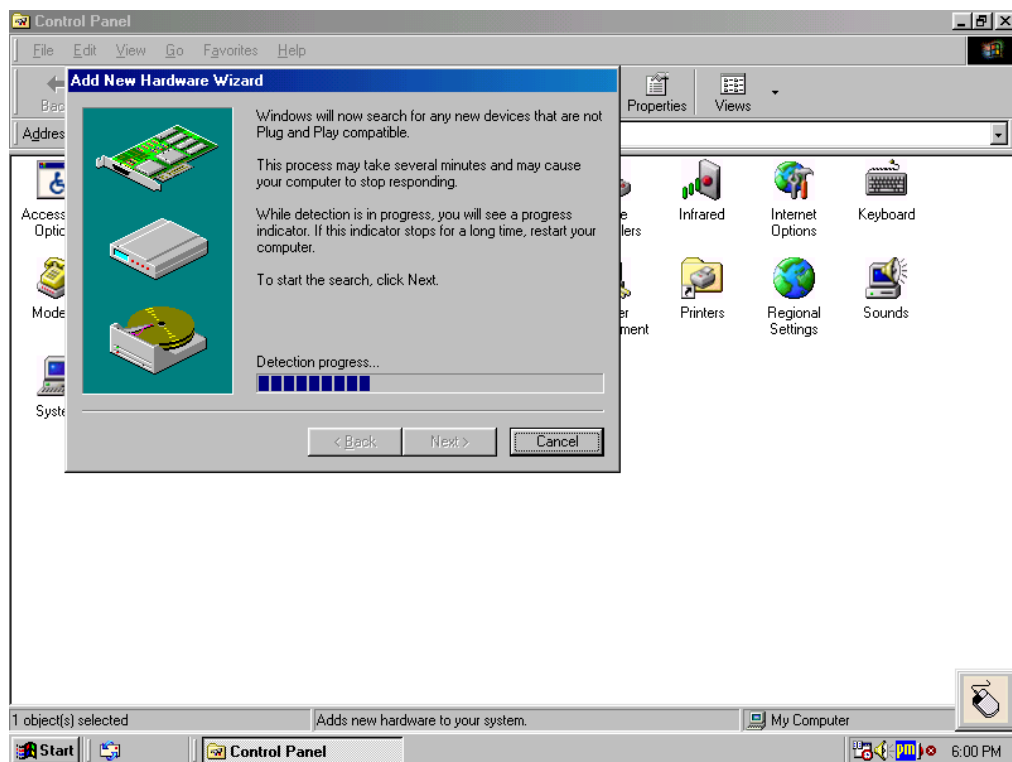#2: -DATA0
#3: +DATA0
#4: GND

#3   **#4**

5. Installation

a) Turn the PC power off.
b) Connect the four pin power plug to the corresponding plug on the power cable supplied with 8005U USB
c) Install the plate on the expansion slot of PC. Plug the 8005U USB power plug to the jack on the plate and connect USB cable to the USB port on PC.
d) Connect cash drawer to 8005U USB
e) Power on the PC. The LED on 8005U USB will light.

f) After 3 seconds the LED will flash for normal operation.

6. 8005U USB Driver installations for Windows series OS

1). Download 8005U USB **Driver ZIP** files from driver CD title, or

download ZIP file from our web site.

and extract 8005U driver to your hard disk.

2). When you plug in 8005U USB, Windows operating system will detect new
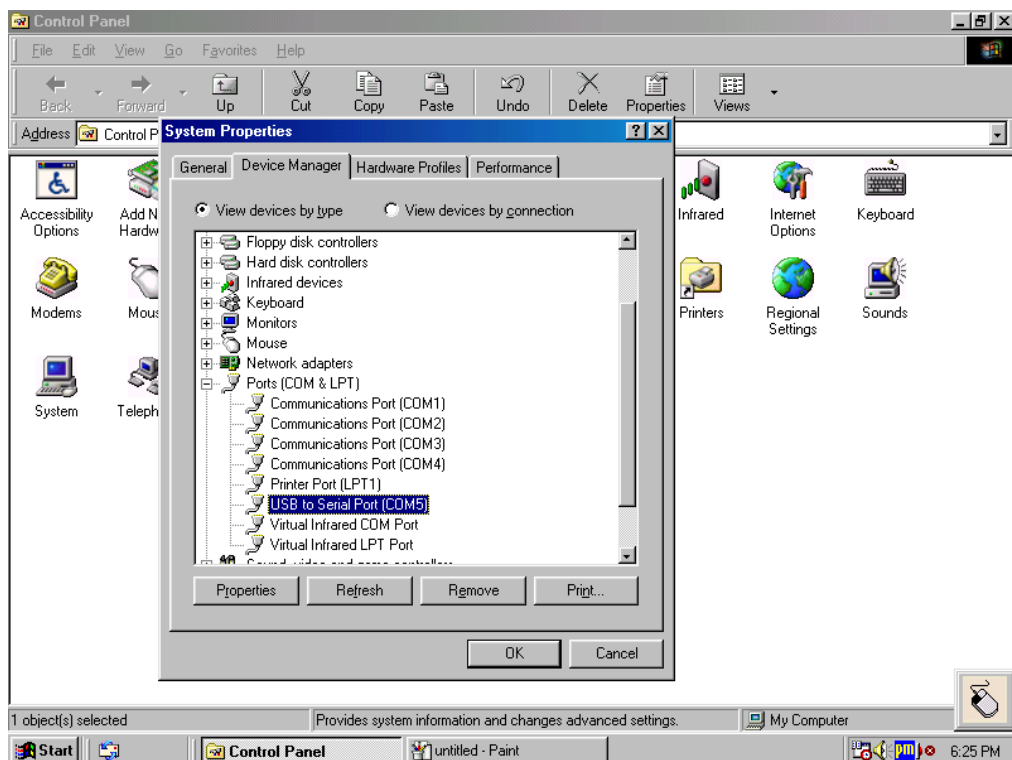
hardware for USB.

3). Follow indicated steps to give driver and finish the installation.

System will shared a simulated COM port for the 8005U USB cash drawer.

4). Check the resources form "Device management" in Windows "Control

Panel"

7. How to drive the cash drawers:

Open the COM port with RS232 parameters: 9600, N, 8, 1
(Baud Rate:9600 , None Parity, 8 Bit data , 1 stop bit)

Cash drawer 1   (marked   CD1):

(A) Send any character to 8005U to open it (excepting [ESC] code); any

characters means   ASCII code from code 1 to code 255. Or refer to enclosed

command set in the table.

(B) Send the block to 8005U with [ESC]+ [ASCII codes] to drive it. The
[ASCII codes] please refer to enclosed command set.

Cash Drawer 2 (marked   CD2):

Send the block to 8005U with [ESC]+ [ASCII codes] to drive it. The
[ASCII codes] please refer to enclosed command set.

a) 8005U USB working:

When a correct command sends to 8005U USB, it will trigger the cash
drawer and the LED will be turned on, then off, after 1 Seconds delay;
the LED will be back to blinking for the next trigger.
Every ON/OFF designs for delay for 1 sec. to wait for next command.

2. Command set for 8005U USB (Send [ESC] + command code)

Data		Description
by Hex	By Dec	
0x34	52	Open Cash Drawer 1 (24v)
0x35	53	Open Cash Drawer 2 (24v)
0x3A	58	Detect Cash Drawer 1 sensor Return value: ESC+"4"+"A" means Drawer1 still closed. ESC+"4"+"B" means Drawer1 still opened.
0x3B	59	Detect Cash Drawer 2 sensor Return value: ESC+"5"+"A" means Drawer2 still closed. ESC+"5"+"B" means Drawer2 still opened.