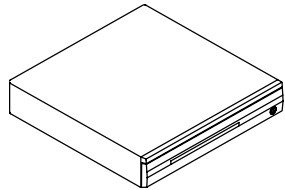


# CR-4000/6000 SERIES

## CASH DRAWER

### USER'S MANUAL

**POSIFLEX**



#### **FCC Notes:**

Rev. A2

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with limits for a Class A digital device pursuant to subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures to correct the interference.

#### **Warranty Limits:**

Warranty terminates automatically when any person other than the authorized technicians opens the machine. The user should consult his/her dealer for the problem happened. Warranty voids if the user does not follow the instructions in application of this merchandise. The manufacturer is by no means responsible for any damage or hazard caused by improper application.

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## **MODEL NUMBERS**

<b>Model</b>	<b>CR400X</b>	<b>CR410X</b>	<b>CR421X/ 621X</b>
<b>Bill Compartment</b>	5 Adjustable	5 Fixed	5 Fixed
<b>Bill clip</b>	Plastic	Metal	Metal
<b>Coin compartment</b>	9 Fixed	9 Fixed	5 Fixed
<b>Coin Roll storage</b>	1 Underneath Cash Tray		4 Behind Cash Tray

- Note:** 1. CR-4020 series is a special model having 9 bill compartments with plastic bill clip and no coin compartment  
2. CR-621X series is heavy duty metal casing

## **INTERFACE APPLICATION**

<b>Model Number</b>	<b>Interface</b>	<b>Security Code</b>	<b>Power / Source</b>
CR-4000/4020/4100/4210/CR-6210	Printer drive	N. A.	12/24 V Pulse / Printer
CR-4001/4101/4211	Dedicated RS232 serial	N. A.	12VAC / Adaptor
CR-4002/4102/4212	Non-dedicated RS232 serial	0 ~ 255	
CR-4003/4103/4213	Parallel	0 ~ 255	
CR-4004/4104/4214 CR-6214	Dedicated RS232 serial	N. A.	12VDC / PC
CR-4005-II/4105-II /4215-II/ CR- 6215	USB	USB PID	12VAC / Adaptor

## **CARTON CONTENTS**

1. Cash drawer pre-assembled.
2. User's manual.
3. Separators of bill compartment: 4 pcs (for CR4000~4 and CR4005-II only).
4. Key 2pcs: There is a key serial No. sticker on the cash drawer bottom plate. If user lost the key he/she can order the key according to this number.
5. Signal Cable depend on model
  - a). For CR4000/4020/4100/4210/6210: The standard signal cable is 21863018010 which has a 8 pin plug at one end to connect to the cash drawer and a 6 pin plug at the other end to connect to the POS system/printer. This cable serves for most popularly used POS equipment such as all Posiflex POS terminals, all Posiflex POS printers, most Epson POS printers, most Star POS printers and all other

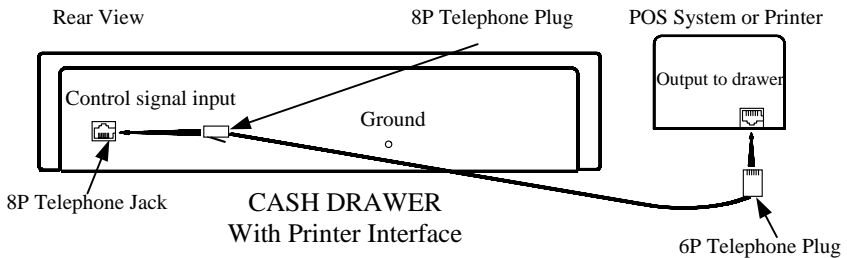
compatibles. The user may cut the 6 pin end and assemble this free end according to his POS printer specification if the POS printer used utilizes different connection. The cable connection on the wires is as below:

Wire color	RJ45	Function
Red	Pin 1	Drawer open sense
Blue	Pin 2	Drawer open sense return
Green	Pin 7	+ 24V to solenoid
Yellow	Pin 8	Drawer kick pulse

- b). For CR4001/ 4101/ 4211/ 4002/ 4102/ 4212: 21863137210 /21863237210 with one 9PM and one 9PF connector.
  - c). For CR4003/ 4103/ 4213: 21863231810 with one 25PM and one 25PF connector.
  - d). For CR4004/ 4104/ 4214/ 6214: The serial signal cable is already built on.
  - e). For CR-4005-II/ 4105-II/ 4215-II/ 6215: USB cable is already built on.
6. Power Source depend on model
- a). For CR-4000/ 4020/ 4100/ 4210/ 6210: not applicable
  - b). For CR-4001/ 4101/ 4211/ 4002/ 4102/ 4212/ 4003/ 4103/ 4213/ CR4005-II / 4105-II/ 4215-II/ 6215: Power adapter 12VAC 1.5A
  - c). For CR4004/ 4104/ 4214/ 6214: Power connector cable and I/O bracket plate.

## INSTALLATION

**CR4000 / 4020 / 4100 / 4210 / 6210** Connect the drawer to **POS** system/printer as shown below:



### CR4001 / 4101 / 4211

- 1). Connect the drawer serial I/P port to the computer COM port. Connect the power adapter output to the Power Input jack
- 2). No other RS232C devices should be connected to the serial O/P port.
- 3). Set position 3 of S2 to OFF and position 4 of S2 to ON. Please refer to rear panel illustration.

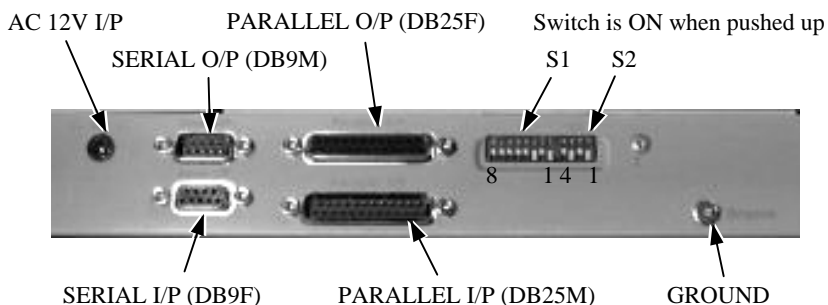
### CR4002 / 4102 / 4212

- 1). Connect the drawer serial I/P port to the computer COM port. Connect the power adapter output to the Power Input jack.
- 2). Other RS232C device can be connected to the serial O/P port when needed as long as the security code makes no influence to this RS232C device.
- 3). Set position 3 of S2 to ON and position 4 of S2 to OFF. Set S1 for security code to open cash drawer. In normal practice, the security code is suggested to be a non-displayable ASCII character, for example, a hexadecimal number between 01 to 1F. Please refer to rear panel illustration below.

### CR4003 / 4103 / 4213

- 1). Connect the drawer parallel I/P port to the computer LPT port. Connect the power adapter output to the Power Input jack.
- 2). Other parallel device such as a printer can be connected to the parallel O/P port when needed as long as the Security code makes no influence to this parallel device.
- 3). Set S1 for security code to open cash drawer. In normal practice, the security code is suggested to be a non-displayable ASCII character. For example, a hexadecimal number between 01 to 1F. Please refer to rear panel illustration below.

### CR4001/ 4101/ 4211/ 4002/ 4102/ 4212/ 4003/ 4103/ 4213 Rear panel illustration.



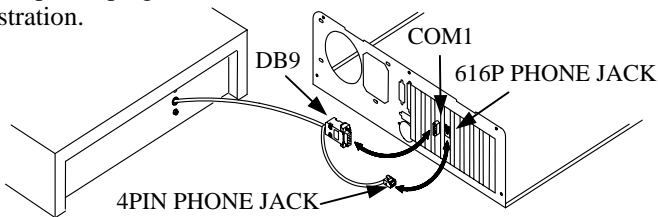
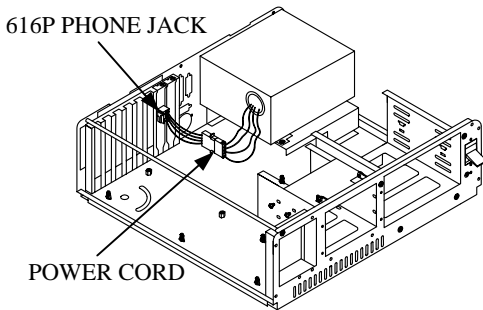
**S1** Set security code. (Default Setting: BIT 1,2,3 OFF and BIT 4,5,6,7,8 ON. Security code is 07H)

BIT	1	2	3	4	5	6	7	8
Number to be added to the security code if OFF.	1	2	4	8	16	32	64	128

**S2** BIT1 ON and BIT2 OFF to receive security code via Pin2 of P4 (DB9F).  
 BIT1 OFF and BIT2 ON\* to receive security code via Pin3 of P4 (DB9F).  
 BIT3 OFF and BIT4 ON for dedicated RS-232C.  
 BIT3 ON and BIT4 OFF\* for non-dedicated RS-232C.  
 (\* denotes factory default setting)

**CR4004 / 4104 / 4214 / 6214**

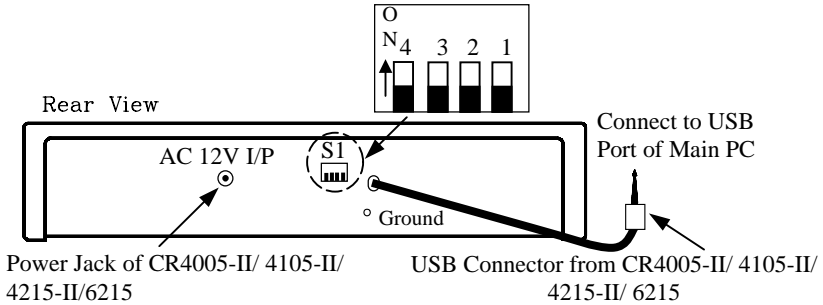
- 1). Open the PC case. Put the metal bracket with power connector into one of the I/O windows.
- 2). Connect the cable to the **HDD** type power connector of PC power supply. See illustration below. Then close the PC case.
- 3). Connect the DB-9 connector to the computer's serial port of COM1 (or COM2). Connect the 4P phone plug connector to the added I/O bracket. See below illustration.



**CR4005-II / 4105-II / 4215-II / 6215**

- 1). Define a drawer number for the cash drawer so that this cash drawer is going to respond accordingly in USB communication. Follow the table below for "Switch settings" to adjust the switch S1 according to this drawer number if it is not 7. Please note that within each system there

should never be any 2 USB interface cash drawers carrying the same drawer number.



**Rear View of Model CR4005-II/ 4105-II/ 4215-II/ 6215  
Cash Drawer with USB Interface**

Switch settings:

Drawer	0	1	2	3	4	5	6	7
<b>SW1</b>	ON	OFF	ON	OFF	ON	OFF	ON	<b>OFF</b>
<b>SW2</b>	ON	ON	OFF	OFF	ON	ON	OFF	<b>OFF</b>
<b>SW3</b>	ON	ON	ON	ON	OFF	OFF	OFF	<b>OFF</b>
<b>SW4</b>	Reserved							

**Default setting: Drawer 7 (SW1: OFF; SW2: OFF; SW3: OFF)**

- 2). Connect USB connector of cable coming out from the rear side of the USB interface cash drawer to USB port of main PC.
- 3). Check the specification of power adaptor on its nameplate. Insert the power adaptor into the correct power outlet. Insert the output plug to the jack at rear side of CR4005-II/ 4105-II/ 4215-II/ 6215 to supply power for drawer kickout.
- 4). Install the USB utility driver from Posiflex Product Information CD with Posiflex POS system or visit our web sites <http://www.posiflex.com> or <http://www.posiflex.com.tw> or <http://www.posiflexusa.com> for latest updates.

**UPOS driver application** (Applied for all Posiflex cash drawer)

Please first find in Posiflex Product Information CDROM or download from Posiflex web sites for UPOS driver setup. In this application CR4XX3 and CR4XX4/ 6214 respond to openDrawer command only; CR4XX0/ 6210, CR4XX1 and CR4XX2 are compliant to UPOS version 1.7 and CR4XX5-II/ 6215 are compliant to UPOS version 1.8.

## **SPECIFICATIONS**

**MECHANICAL:**      Dimensions:  
428 (W) x 460 (D) x 100 (H) mm (CR-4000)  
428 (W) x 456 (D) x 100 (H) mm (CR-6000)  
Weight:            7.0 Kg (CR-4000)  
                      8.8 Kg (CR-6000)  
Removable tray with a lock-on cover (option)

### **ELECTRICAL:**

#### **Power Source**

Solenoid Drive (for CR-4000 / 4020 / 4100 / 4210 / 6210)  
Pulse Amplitude            12 to 24 VDC  
Pulse Width                100 to 250 msec  
Pulse Duty Cycle            10% max.  
Max. Current Consumption    0.75A @ 12 VDC/1.5A @ 24 VDC  
AC Adaptor (for CR-4001/ 4101/ 4211/ 4002/ 4102/ 4212/ 4003/ 4103/  
4213/ 4005-II/ 4105-II/ 4215-II/ 6215)  
Input Voltage                120 VAC  $\pm$  10 % / 240 VAC  $\pm$  10 % @50  
                                      -60 Hz  
Output Voltage                12 VAC at 1.5 A  
DC Power Kit (for CR-4004 / 4104 / 4214 / 6214): +12 V DC and + 5 V DC

#### **Interface**

Direct Drive: CR-4000/ 4020/ 4100/ 4210/ 6210

Serial (RS232C):	CR-4001	CR-4002	CR-4004
	CR-4101	CR-4102	CR-4104
	CR-4211	CR-4212	CR-4214/ 6214
Baud rate	9600	9600	150 ~ 19200
Parity	None	none	none, even, or odd
Data Bits	8	8	7 or 8
Stop Bits	1 or 2	1 or 2	1 or 2

Parallel (IEEE1284): CR-4003/ 4103/ 4213  
USB (1.1): CR-4005-II/ 4105-II/ 4215-II/ 6215

#### **Security Code**

CR-4002/ 4102/ 4212/ 4003/ 4103/ 4213	1-255; factory preset value = 7
CR-4005-II/ 4105-II/ 4215-II CR-6215	USB PID

## Drawer Open Sense

CR-4000/ 4020/ 4100/ 4210  
CR-6210

Drawer open sense circuit shorts when open

CR-4001/ 4101/ 4211/ 4002/ 4102/ 4212

Pin 9 shorts to pin 5 when drawer open

CR-4005-II/4105-II/4215-II  
CR-6215

Through USB driver

## KEYLOCK OPERATION



### Keylock

Lock (🔒): Physically lock the drawer.

Open (🔓): Open the drawer by the key.

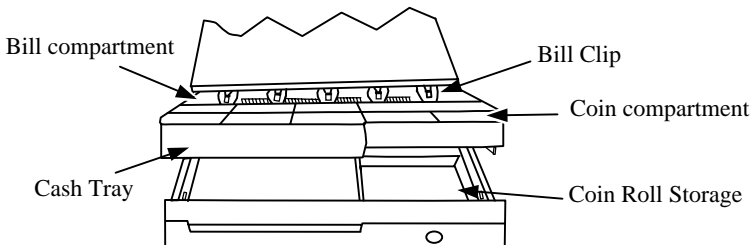
Standby (🔌): Automatically open the drawer by POS printer or POS system or interface signal control

## STRUCTURE

Check Slot

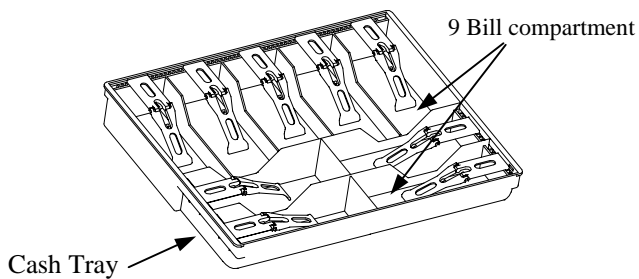


**Inside CR-4000/ 4001/ 4002/ 4003/ 4004/ 4005-II/ 4100/ 4101/ 4102/ 4103/ 4104/4105-II**

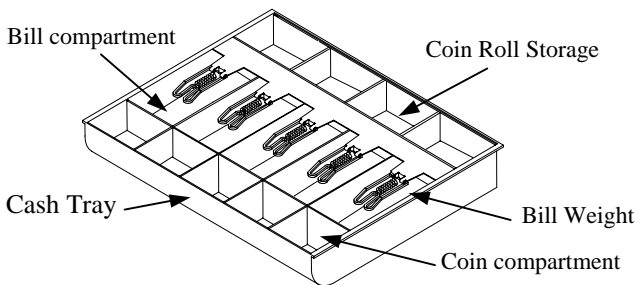




### Tray for CR-4020



### Tray for CR-4210/ 4211/ 4212/ 4213/ 4214/ 4215-II / 6210/ 6214/ 6215



**POSIFLEX** 

**警告使用者** T31454

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