



Data Audit Box

# DAB-V



*Quick Guide*

International Currency Technologies Corp.

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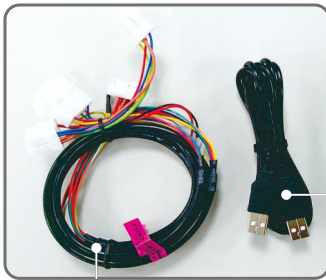
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# DAB-V

## Before to Use

To check below:

1. Need to install [.Net Framework 4 Client Profile] version (you can download from Microsoft website) on your PC (Microsoft OS, XP above) before operating DAB on your PC via DAB Audit Box Tool.
2. Need to install Office Excel 2003 or above.
3. DAB's is receiving power feed issource from VMC while DAB it is installed on the vending machine.
4. You need to prepare a power supply for DAB while DAB is connecting to PC for parameter settings.
5. You can re-set the encryption key via DAB Audit Box Tool if you would like to change the factory default value "0, 0, 0, 0". Please refer to the installation guide, section 2.1, encryption setting from Audit Box Tool.
6. You can re-set DAB time setting to your local time (please refer to the installation guide, section 2.3). The default time-setting is Taiwan time (GMT+8).
7. You would find below items on DAB Product:
  - a. DAB-V
  - b. USB-to-USB type-A cable
  - c. VCCS Communication cable



VCC Communication Cable

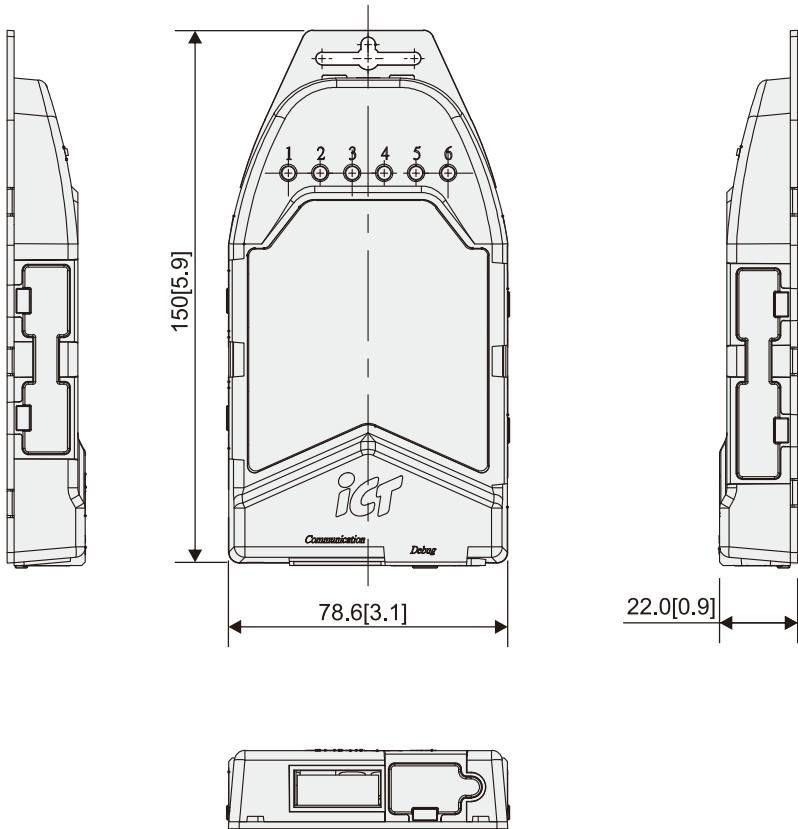
USB-to-USB Cable



DAB-V

8. For further DAB Series parameter settings, you need to contact ICT FAE or visit ICT website at [www.ictgroup.com.tw](http://www.ictgroup.com.tw) to get DAB Audit Box Tool software & DAB Series installation guide.

## 1. Dimension

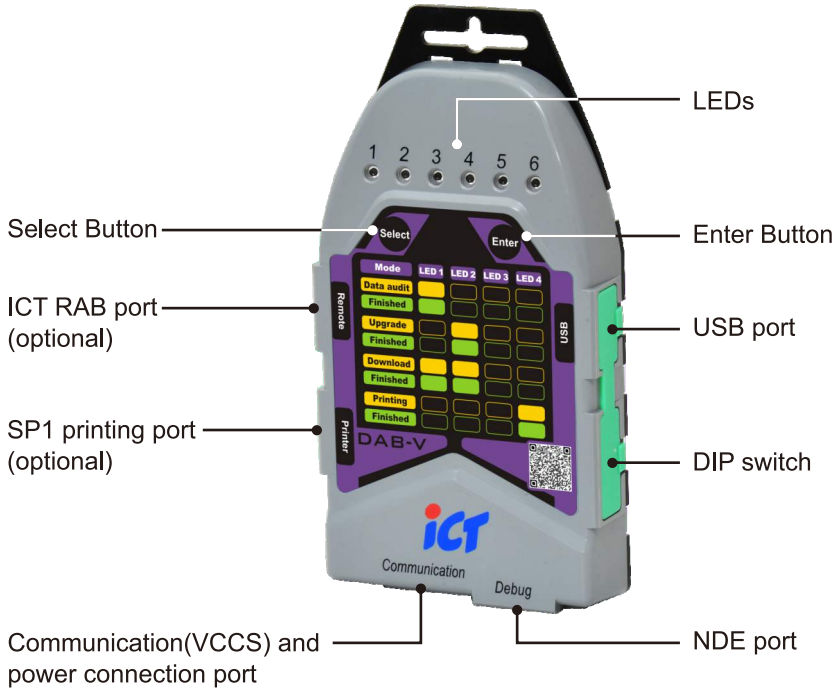


Unit : mm [inch]

# DAB-V

## 2. DAB LED indicator function introduction

### LEDs, Buttons & connection ports









### LED type

Indicator	Function
LED1~LED4	Mode Status Indicator
LED5	Upgrade Error Indicator
LED6	Stand-by-mode Indicator VMC Indicator/ time setting Indicator

### Mode Status Indicator

Please refer to page 8, Function Setting/ LED Indicators Table.

## Upgrade Error Indicator

DAB USB Pen Drive failed		Flash one time
Coin Change firmware upgrade failed		Flash two time
Bill Acceptor firmware upgrade failed		Flash three time
CL firmware upgrade failed		Flash four time
Document Check (DC) firmware upgrade failed		Flash five time
ICT SP1 printer firmware upgrade failed		Flash six time

## Stand-by-mode Indicator

1. LED6 flash in green means the DAB is in stand-by-mode ready for use.
2. LED6 flash in red means the DAB is in stand-by-mode, but time setting is back to default value of [2019/01/01 00:00:00] due to no button battery attached or low batter. You need to power-off DAB and replace the button battery, reset the time setting and then power-on to show you LED6 flash in green again.
3. LED6 flash in orange means the DAB is in transaction-mode. LED6 would back to flash in green once the transaction finished.

## Function for Stand-by-mode

Function	Remark
Save the communication (log) records	Save the communication data from VMC/ Coin Change/ Bill Acceptor
Save the transaction records	1. Save EVA/DTS data 2. Save each single transaction data

## Peripheral Device (VMC/BA/CC/Cashless/NDE) Status Indicator

In stand-by-mode (LED6 flash in green), and without to press “**select**” button, the LED1, LED2, LED3 and LED4 would show the status of the devices connected to DAB. Below are the LED Indicators Description.

LED#	Communication in normal	No Communication
LED1	Green light, VMC communication normally	No light, VMC does not communication or device does not exist.
LED2	Green light, coin change communication normally	No light, coin change does not communication or device does not exist.
LED3	Green light, bill acceptor communication normally	No light, bill acceptor does not communication or device does not exist.
LED4	Green light, chashless communication normally	No light, cashless does not communication or device does not exist.
LED5	Green light, NDE communication normally	No light, NDE does not communication or device does not exist.



## 3. Installation (connect to VMC & peripheral device)

### First step

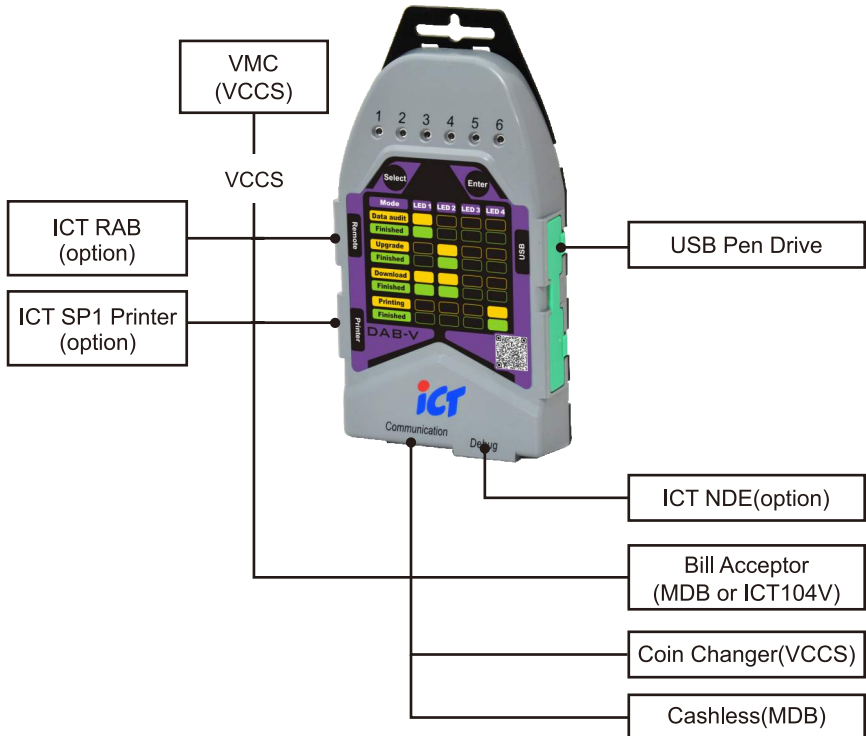
- a. Power-off the vending machine.
- b. Connect DAB's VCCS (female) connector to VMC's VCCS connector (Male).

### Second step





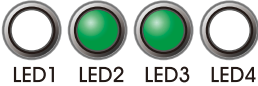


Connect DAB's MDB (female) or VCCS (male) connector to ICT Bill Acceptor's MDB (male) or VCCS (female) connector.

Connect DAB's VCCS (male) connector to ICT Coin change's VCCS (female) connector.

Please refer to below configuration



## 4. Function Setting/LED Indicators Table

Function	Press Button	LED Indicator (Green)	Remark
Transaction Export Mode	NO	 LED1 LED2 LED3 LED4	Plug USB Pen drive and data download to the USB Pen Drive.
DAB Firmware Upgrade Mode	NO	 LED1 LED2 LED3 LED4	Plug USB Pen Drive and do the firmware upgrade (Correct files must be stored on this USB Pen Drive)
Upgrade Peripherals Device Firmware	NO	 LED1 LED2 LED3 LED4	Plug USB Pen Drive and do the firmware upgrade (correct files must be stored on this USB Pen Drive)
Setup and Testing Mode (link to PC Tool)	YES	 LED1 LED2 LED3 LED4	Press DAB's " <b>Select</b> " button to select both LED2 & LED3 to shine in amber, then plug in the USB Pen Drive, and press " <b>Enter</b> " button.
Audit Backup Data Export Mode (History data)	YES	 LED1 LED2 LED3 LED4	Press DAB's " <b>Select</b> " button to select both LED2 & LED3 to shine in amber, then plug in the USB Pen Drive, and press " <b>Enter</b> " button.
DAB Recovery Factory Mode	YES	 LED1 LED2 LED3 LED4	Press DAB's " <b>Select</b> " button to select all the LED1, LED2 & LED3 to shine in amber. And then press " <b>Enter</b> " button
Parameter Setting Mode (via USB Pen Drive)	YES	 LED1 LED2 LED3 LED4	Press DAB's " <b>Select</b> " button to select LED4 in amber light, then plug in the USB Pen Drive, and press "Enter" button to entry to " <b>Parameter Setting mode</b> " to write down the parameters to DAB.

## 5. Dip Switch Function Description

### SP1 Printer abnormally disabled periphery:

Operation method	Function
DIP Switch#2 set up to ON	When the SP1 printer abnormality occurs, the DAB disables the transaction, including when the SP1 printer is not connected.
DIP Switch#2 set up to OFF	When the SP1 printer abnormality occurs, the vending machine can continue to trade, DAB doesn't disabled periphery.

### Escrow settings:

User can set up whether the ESCROW needs or not. The setting is as below.

Escrow	DIP Switch Setting	Function
ON	DIP Switch#6 set up to OFF	Would accept one bank note only while the currency less than or equal to the value the user set up and the coin change has enough coins, at least the same value as the bank note's, inside. If exceed the values or no enough coins, then BA would return this bank note.
OFF	DIP Switch#6 set up to ON	Would keep accepting the bank note until the currency exceed to the value the user set up or exceed the coin total value in the coin change.

### Diverse Interface Supported:

Please note that the DAB-V can be used only on VMC with VCCS interface. For Bill Acceptor, it can support as below table:

Interface	Support Devices	Remark
VCCS	Coin Change & Bill Acceptor	Would ignore DIP Switch#7 settings
MDB	Bill Acceptor	Please setup DIP Switch#7 "OFF"
ICT 104V	Bill Acceptor	Please setup DIP Switch#7 "ON"

## Bill Acceptor returns error code switching :

Function	Operation method	Remark
NoReturn Error Code	DIP Switch#8 "OFF"	Bill Acceptor will not return error code when there is error.
Return Error Code	DIP Switch#8 "ON"	Bill Acceptor will return error code when there is error.

## Cashless deduction peripheral disable setting :

Function	Operation method	Remark
Deduction successful disable peripheral equipment	DIP Switch#5 "OFF"	<ol style="list-style-type: none"> <li>1. The Cashless device is disabled after the successful deduction; otherwise, if the cash is first input, the Disable Cashless device.</li> <li>2. All peripheral devices will be enabled after the transaction is completed.</li> </ol>
Deduction successful will not disable peripheral equipment	DIP Switch#5 "OFF"	The Cashless device deducts the success and does not disable the peripheral device. If the cash is first put in, it is not a Disable Cashless device.

## Cashless device restore settings :

Function	Operation method	Remark
Return the change amount to Cashless	DIP Switch#4 "ON"	<ol style="list-style-type: none"> <li>1. When the card exists, the change amount will be directly returned to the card after the transaction is completed.</li> <li>2. When the card does not exist, the change amount will be changed by Coin Changer after the transaction is completed. The amount that cannot be changed will be restored to VMC.</li> </ol>
Use cash to change	DIP Switch#4 "OFF"	After the transaction is completed, the amount of change will be changed by Coin Changer. If the amount cannot be changed, the amount will be restored to VMC.

## 6. DAB Audit Box Tool

DAB Audit Box Tool is designed with English version. The user can change it to what language you want. To achieve this, please, after tool installed on your PC, find out the **Global.ini** on the folder of **My Documents\ICT\Audit Box Tool\Language** and open it as below screen:

```

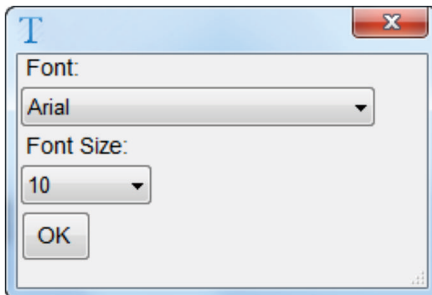
getText = Obtain
setText = Set
informationText = Information
noTest = No.
resultTest = Result
clearButtonText = Clear
startText = Start
ExportButtonText = Export
addressLabelText = Address:
writeButtonText = Write
readButtonText = Read
otherButtonText = Extra

```

You can change the English texts the right side of “=” to what language characters you want. Please don’t change the texts the left side of “=”. Save the file after you finished.

Open the tool program and it would show you below screen to setup the font/size.



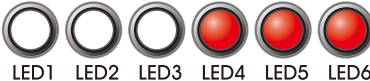
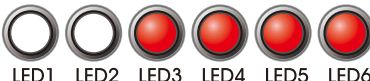

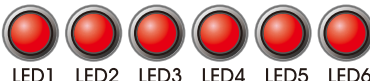
### Font/Size initialized settings



#### Please note:

1. You can skip this section if you would use English version of Audit Box Tool.
2. To Get DAB Audit Box Tool software, please visit ICT WEBSITE or contact ICT FAE for details.

## 7. Error Status & Troubleshooting

Status	LED (Red)	Troubleshooting
Program Error	 LED1 LED2 LED3 LED4 LED5 LED6	Plug-in USB Drive to re-upload program again.
DAB Oscillation Error	 LED1 LED2 LED3 LED4 LED5 LED6	Please send back to ICT for repair.
DAB Checksum Error	 LED1 LED2 LED3 LED4 LED5 LED6	Please send back to ICT for repair.
DAB start-code Error	 LED1 LED2 LED3 LED4 LED5 LED6	Please send back to ICT for repair.
Time re-set in abnormal	 LED1 LED2 LED3 LED4 LED5 LED6	Change to the new coin battery in DAB. Reset the time in General Utility. Power-on DAB.
DAB Hardware Error	 LED1 LED2 LED3 LED4 LED5 LED6	Please send back to ICT for repair.

**ict** Taiwan

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