



Data Audit Box

DAB-E



Quick Guide

International Currency Technologies Corp.

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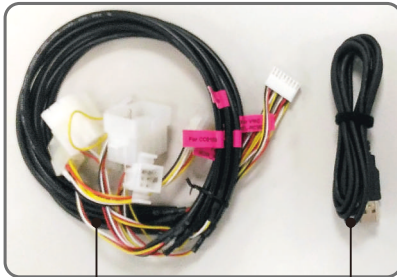
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Before to Use

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 reciving power VMC while DAB is installed on the vending machine.
4. You need to prepare a power support for DAB while DAB connecting to PC for parameter settings.
5. You can re-set the encryption key via DAB Audit Box Tool if you want 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.
7. You would find below items on DAB Product:
 - a. DAB-E
 - b. USB-to-USB type-A cable
 - c. EXE Communication cable



EXE Communication Cable

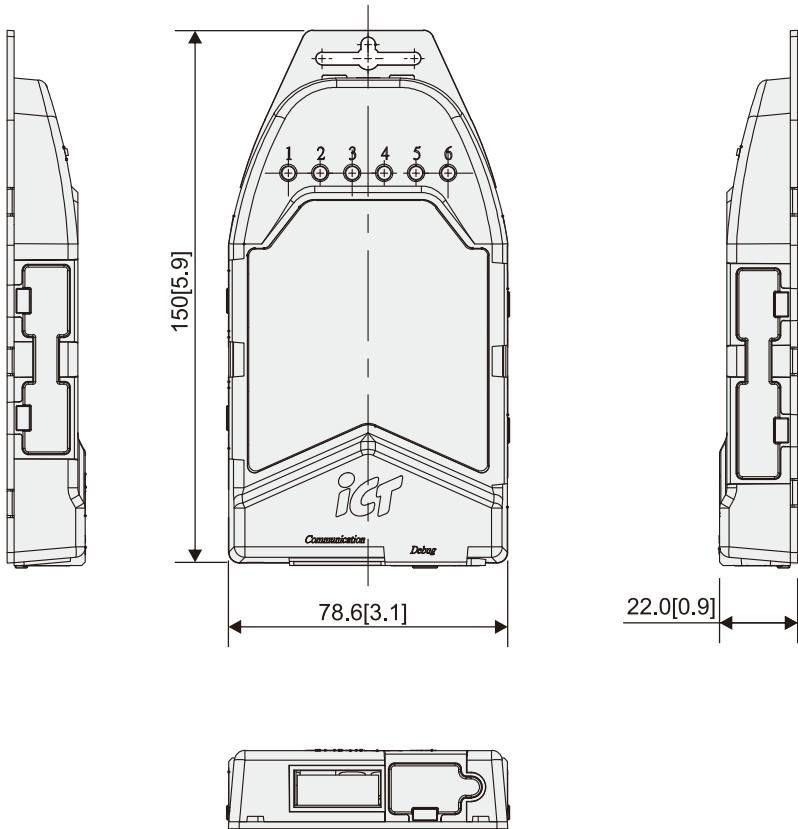
USB-to-USB Cable



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8. For further DAB Series parameter settings, including receipt paper format setting, you need to contact ICT FAE or visit ICT website at www.ictgroup.com.tw to get DAB Audit Box Tool software & DAB Series installation guide.

1. Dimension

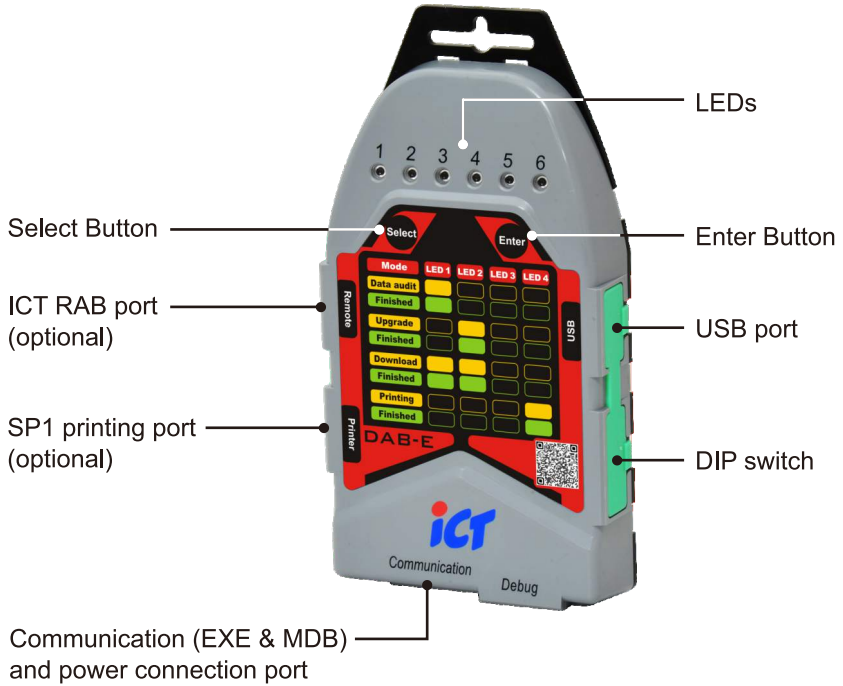


Unit : mm [inch]

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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 functionality.
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 or low battery. 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 flashes 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
Record the communication (log) data	Save the communication data from VMC/ Coin Change/ Bill Acceptor
Record the transaction data	1. Save EVA/DTS data 2. Save each single transaction data

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

On 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 the DAB. Below is the LED Indicator 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, cashless communication normally	No light, cashless does not communication or device does not exist.

3. Installation(connect to VMC & peripheral device)

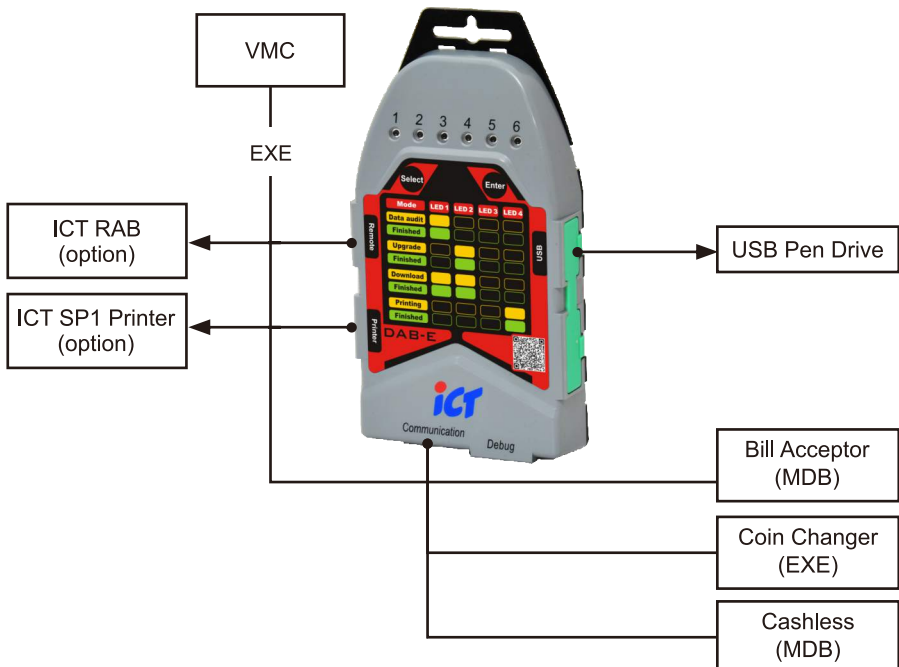
First step

Power-off the vending machine.


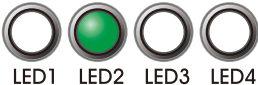
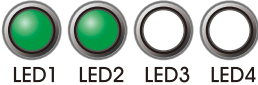

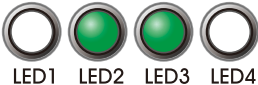


Second step

- Connect DAB's MDB_master (w/ label: For MDB_Master) connector to ICT Coin Changer's connector (MDB female connector).
- Connect DAB's MDB_device (w/ label: For MDB Device) connector to ICT BA's connector (MDB male connector).
- Connect DAB's EXE & Power connectors (w/ label: For VMC) to VMC's EXE Communication & Power connectors.
- Connect DAB's EXE & Power connectors (w/ label: For CC6100) to ICT Coin Changer's EXE Communication & Power connectors.

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 "Select" button to select both LED2 & LED3 to shine in amber, then plug in the USB Pen Drive, and press "Enter" button
Audit Backup Data Export Mode (History data)	YES	 LED1 LED2 LED3 LED4	Press DAB's "Select" button to select both LED2 & LED3 to shine in amber, then plug in the USB Pen Drive, and press "Enter" button
DAB Recovery Factory Mode	YES	 LED1 LED2 LED3 LED4	Press DAB's "Select" button to select all the LED1, LED2 & LED3 to shine in amber. And then press "Enter" button
Parameter Setting Mode (via USB Pen Drive)	YES	 LED1 LED2 LED3 LED4	Press DAB's "Select" button to select LED4 in amber light, then plug in the USB Pen Drive, and press "Enter" button to entry to "Parameter Setting mode" 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.

6. DAB Audit Box Tool

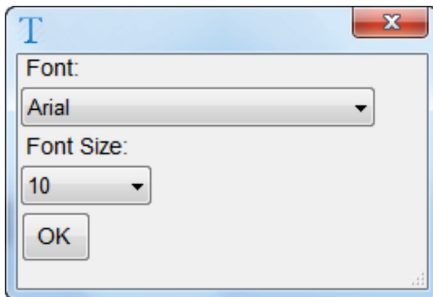
DAB Audit Box Tool is designed with English version. The user can change it to what language you want. To achieve this, please, after tool installed on your PC, find out the **Global.ini** on the folder of **My Documents\ICT\Audit Box Tool\Language** and open it as below screen:

```
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.



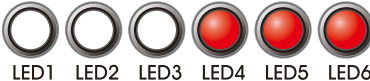
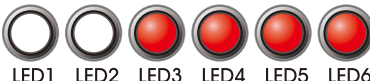

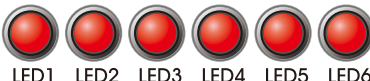
Font/Size initialized settings



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

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ict Taiwan

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