



Data Audit Box

DAB-M



Quick Guide

International Currency Technologies Corp.

Use of Materials Limitations

International Currency Technologies Corporation (ICT) all rights reserved.

All materials contained are the copyrighted property of ICT.

All trademarks, service marks, and trade names are proprietary to ICT.

ICT reserves the right at all times to disclose or to modify any information as ICT deems necessary to satisfy any applicable law, regulation, legal process or governmental request, or to edit, refuse to post or to remove any information or materials, in whole or in part, in ICT's sole discretion.

Contents

Before to use.....	2
1. Dimension.....	3
2. DAB LED indicator function introduction.....	4
3. Installation (connect to VMC & peripheral device).....	7
4. Function Setting/LED Indicators Table.....	8
5. Dip Switch Function Description.....	9
6. DAB audit box tool.....	10
7. Error status & troubleshooting.....	11

DAB-M

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 is receiving power feed issource from VMC while DAB it is installed on the vending machine.
4. You need to prepare a power support 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 2.2, 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 2.4). The default time-setting is Taiwan time.
7. You would find below items on DAB Product:
 - a. DAB-M
 - b. USB-to-USB type-A cable



MDB+DEX Communication Cable

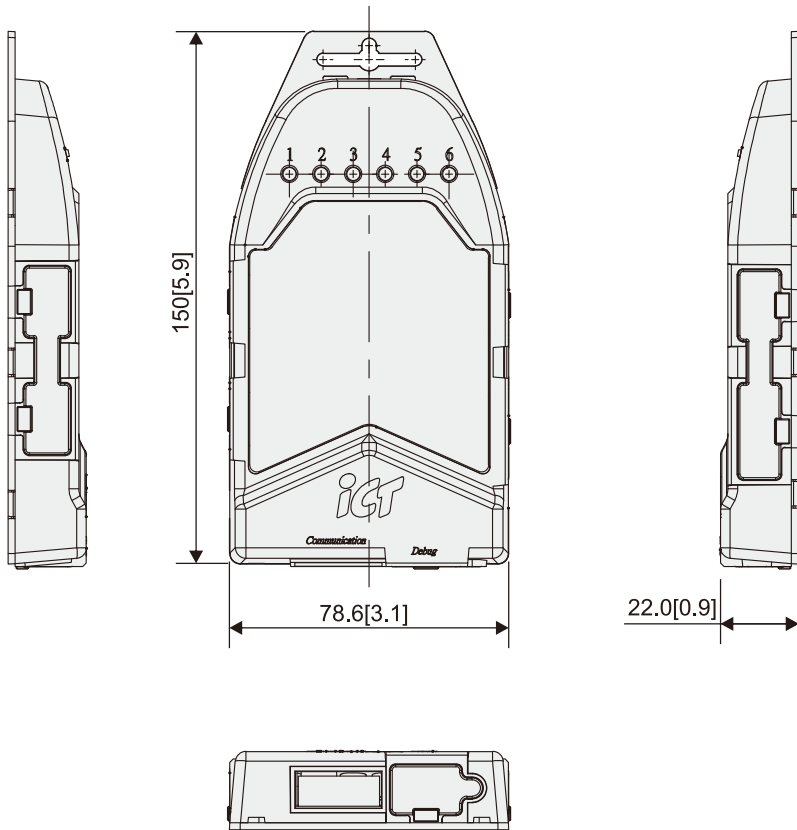
USB-to-USB Cable



DAB-M

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.

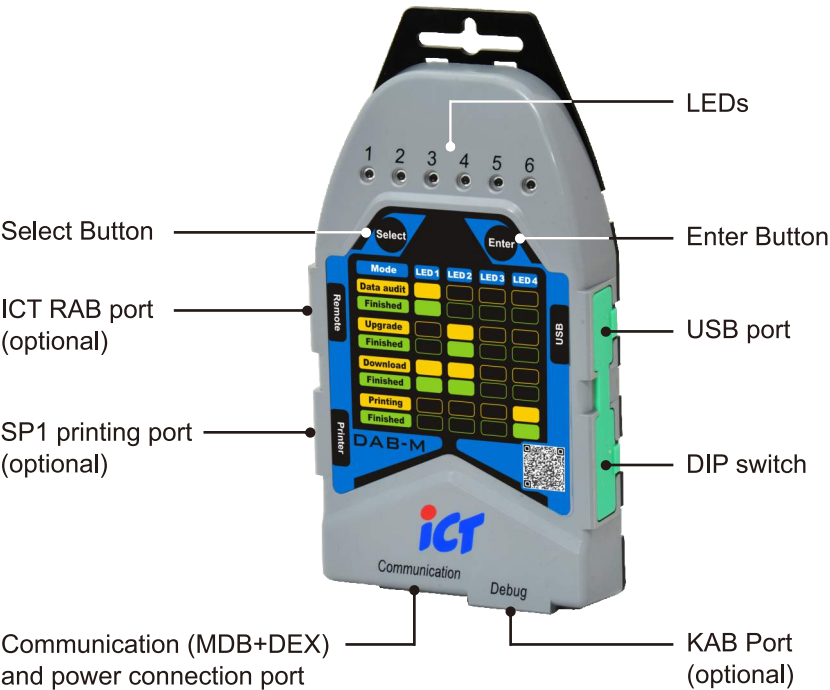
1. Dimension



Unit : mm [inch]

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, 4.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 under 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	<ol style="list-style-type: none"> 1. Save EVA/DTS data 2. Save each single transaction data

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)

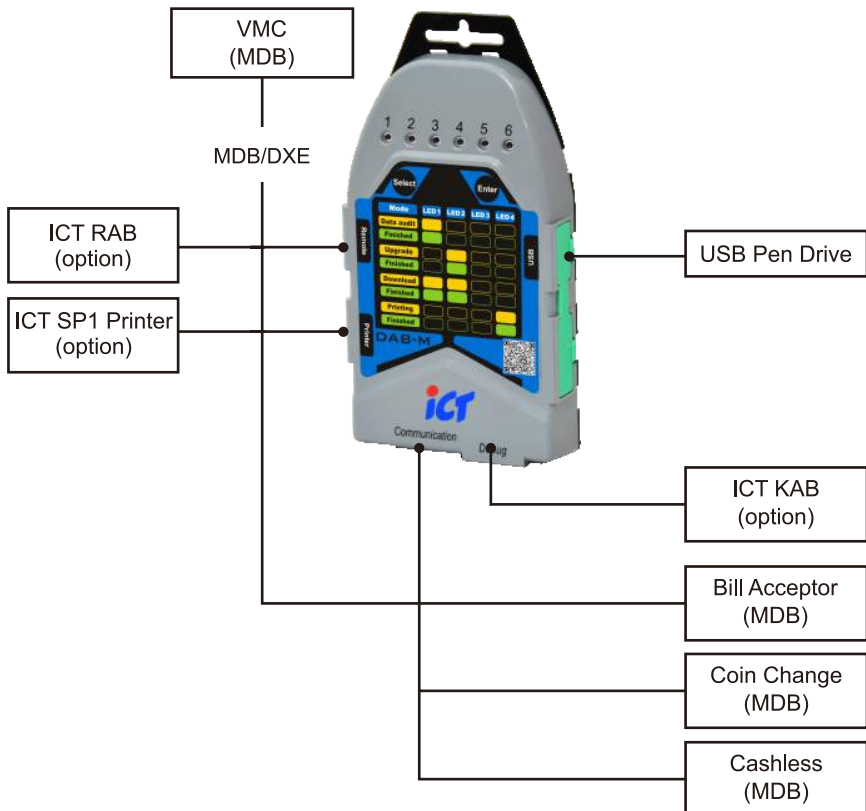
First step

- Power-off the vending machine.
- Connect DAB's MDB (male) connector to VMC's MDB connector (female).
- Connect DAB's DEX (male) connector to VMC's DEX connector (female) in case the VMC has DEX interface.








Second step

Connect DAB's MDB (female) connector to ICT Coin Changer and Bill Acceptor's MDB (male).

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.

Note: This function is taking on effect only when dip 6 is be ON on hardware version AA403N10.

DEX function:

Operation method	Function
DIP Switch#5 set up to ON	Enable DEX function
DIP Switch#5 set up to OFF	Disable DEX function

Note: Before enable DEX Function, please confirm if VMC supports DEX and has DEX cable connected to VMC.

The transfer function when accounting:

Operation method	Function
DIP Switch#6 set up to ON	There is a transfer function in accounting
DIP Switch#6 set up to OFF	Transfer function is determined by hardware version

Note: Dip 6 is taking on effect on hardware version AA503N10 and other version is set to be compulsory transfer.

Vending machine change command waiting for setting at the checkout time:

Operation method		Function
DIP Switch#7	DIP Switch#8	
ON	ON	No delay
OFF	OFF	Delay waiting for 5 seconds
OFF	ON	Delay waiting for 10 seconds
ON	OFF	Delay waiting for 20 seconds

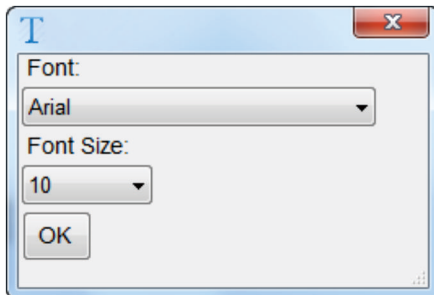
6. DAB Audit Box Tool

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)	Troubleshoot
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.



International Currency Technologies Corporation

No.28, Ln. 15, Sec. 6, Minquan E. Rd., Neihu Dist., Taipei City 114, Taiwan

sales@ictgroup.com.tw (For Sales)

fae@ictgroup.com.tw (For Customer Service)

Website: www.ictgroup.com.tw

