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CASIO®

PA TECHNICAL BULLETIN

Technical Bulletin No. : TB-PA-2008001

Date: January 28th, 2008

**MODEL: DT-900, DT-930, DT-X5, DT-X10, DT-X7, DT-X11, IT-10, IT-500,
IT-600, IT-3000 Series**

SUBJECT: Release of Drivers and Patch Files for Windows Vista

Dear CASIO Distributors,

We are pleased to announce the availability of drivers and patch files for Microsoft's **Windows® Vista™** you have been waiting for a long time.

This bulletin along with a cross-reference chart explains you which drivers and patch files you must install in a Windows Vista PC and in CASIO handheld terminal to establish connection between the devices. Refer to the detail explanation on subsequent pages in this bulletin and the cross-reference chart for proper software to download from CASIO web site and then install.



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1. Drivers and Patch Files

To establish connection to a PC with the **Windows Vista OS*** installed, install necessary drivers and patch files (with CAB extension) in either the PC or a handheld terminal and if required select communication utility at the Control Panel (see page 5) according to your hardware configuration and communication utility described in Table 1.1.

*; All performances described in Table 1.1 and the cross-reference chart are tested and assessed with **Enterprise, Ultimate** and **Business** editions. It is not recommended to use other editions.

Table 1.1

Model no.	Cradle	Connection via	Drivers and Patch Files	
			Communication Utility run on Windows Vista PC	
			WMDC*	LMWIN
DT-900	DT-960IO-E Basic Cradle	RS-232C	Not operable.	Not operable. (MultiDrop not supported)
	DT-964IOE Satellite Cradle	RS-232C	Not operable.	Operable. No need to install the driver.
DT-930	DT-960IOE Basic Cradle	RS-232C	Not operable.	Not operable. (MultiDrop not supported)
	DT-964IOE Satellite Cradle	RS-232C	Not operable.	Operable. No need to install the driver.
	HA-E60IO Bridge Basic Cradle	USB by IrDA Protocol	Not operable.	Operable if you install in PC; - IrXpresseUSBIrDA.exe - SetupUSBIrDA.exe
IT-10	HA-C60IO Basic Cradle	USB Direct	Operable if you install in IT-10; - USBClientIT-10_110.CAB and choose "WMDC". See "Selecting Communication Utility" on page 5.	Operable if you install in IT-10; - USBClientIT-10_110.CAB and choose "ActiveSync/LMWIN". See "Selecting Communication Utility" on page 5.
	HA-C61IO Bridge Satellite Cradle	USB by IrDA Protocol	Operable if you install in PC; - IrXpresseUSBIrDA.exe - SetupUSBIrDA.exe	Operable if you install in PC; - IrXpresseUSBIrDA.exe - SetupUSBIrDA.exe
		RS-232C by IrDA Protocol	Operable if you install in PC; - IrXpressSerialIrDA.exe - SetupSerialIrDA.exe	Operable if you install in PC; - IrXpressSerialIrDA.exe - SetupSerialIrDA.exe

Continue.

WMDC* ; Windows Mobile Device Center

IT-500	IT-560IOE Bridge Basic Cradle	USB by IrDA Protocol	Not operable.	Operable if you install in PC; - IrXpresseUSBIrDA.exe - SetupUSBIrDA.exe
	IT-564IOE Bridge Satellite Cradle	RS-232C by IrDA Protocol	Not operable.	Operable if you install in PC; - IrXpressSerialIrDA.exe - SetupSerialIrDA.exe
		USB by IrDA Protocol	Not operable.	Operable if you install in PC; - IrXpresseUSBIrDA.exe - SetupUSBIrDA.exe
DT-X10	DT-160IOE Bridge Satellite Cradle	RS-232C by IrDA Protocol	Not operable.	Operable if you install in PC; - IrXpressSerialIrDA.exe - SetupSerialIrDA.exe
		USB by IrDA Protocol	Not operable.	Operable if you install in PC; - IrXpresseUSBIrDA.exe - SetupUSBIrDA.exe
		USB Direct	Not operable.	Not operable.
DT-X5	HA-A60IO Bridge Basic Cradle	USB by IrDA Protocol	Not operable.	Operable if you install in PC; - IrXpresseUSBIrDA.exe - SetupUSBIrDA.exe
	HA-A61IO Bridge Satellite Cradle	RS-232C by IrDA Protocol	Not operable.	Operable if you install in PC; - IrXpressSerialIrDA.exe - SetupSerialIrDA.exe
		USB by IrDA Protocol	Not operable.	Operable if you install in PC; - IrXpresseUSBIrDA.exe - SetupUSBIrDA.exe
IT-3000	HA-B61IO Bridge Satellite Cradle	RS-232C by IrDA Protocol	Not operable.	Operable if you install in PC; - IrXpressSerialIrDA.exe - SetupSerialIrDA.exe
		USB by IrDA Protocol	Not operable.	Operable if you install in PC; - IrXpresseUSBIrDA.exe - SetupUSBIrDA.exe
DT-X11	DT-160IOE Bridge Satellite Cradle	RS-232C by IrDA Protocol	Operable if you install in PC; - IrXpressSerialIrDA.exe - SetupSerialIrDA.exe	Operable if you install in PC; - IrXpressSerialIrDA.exe - SetupSerialIrDA.exe
		USB by IrDA Protocol	Operable if you install in PC; - IrXpresseUSBIrDA.exe - SetupUSBIrDA.exe	Operable if you install in PC; - IrXpresseUSBIrDA.exe - SetupUSBIrDA.exe
		USB Direct	Operable if you install in DT-X11; - USBClientDTX11.110.CAB and choose "WMDC". See "Selecting Communication Utility" on page 5.	Operable if you install in DT-X11; - USBClientDTX11.110.CAB and choose "ActiveSync/LMWIN". See "Selecting Communication Utility" on page 5.

Continue.

IT-600	HA-D60IO USB Cradle	USB Direct	Operable if you install in IT-600; - USBClientIT600.110.CAB and choose “WMDC”. See “Selecting Communication Utility” on page 5.	Operable if you install in IT-600; - USBClientIT600.110.CAB and choose “ActiveSync/LMWIN”. See “Selecting Communication Utility” on page 5.
	HD-D62IO Ethernet Cradle	USB (USB port) Direct	Operable if you install in IT-600; - USBClientIT600.110.CAB and choose “WMDC”. See “Selecting Communication Utility” on page 5.	Operable if you install in IT-600; - USBClientIT600.110.CAB and choose “ActiveSync/LMWIN”. See “Selecting Communication Utility” on page 5.
DT-X7	HA-F60IO USB Cradle	USB Direct	Operable if you install in DT-X7; - USBClientDTX7E.110.CAB and choose “WMDC”. See “Selecting Communication Utility” on page 5.	Operable if you install in DT-X7; - USBClientDTX7E.110.CAB and choose “ActiveSync/LMWIN”. See “Selecting Communication Utility” on page 5.
	HA-F62IO Ethernet Cradle (USB port)	USB (USB port) Direct	Operable if you install in DT-X7; - USBClientDTX7E.110.CAB and choose “WMDC”. See “Selecting Communication Utility” on page 5.	Operable if you install in DT-X7; - USBClientDTX7E.110.CAB and choose “ActiveSync/LMWIN”. See “Selecting Communication Utility” on page 5.

Installing Patch Files

USBClientIT-10_110.CAB, USBClientDTX11.110.CAB,

USBClientDTX7E.110.CAB and **USBClientIT600.110.CAB** are patch files (with CAB extension) to add the function to change Product ID at the Control Panel on the respective handheld terminals. The Product ID must be matched to either Windows Mobile Device Center (“WMDC”) or ActiveSync/LMWIN on a Windows Vista PC. Follow the step below to install the files in the handheld terminals. The example step is explained by referring to the DT-X7 case.

1. Download the CAB file from the following site. The file is model dependent, therefore, it is posted on the download page by model.
http://www2.casio.co.jp/system_en/pa/PADealer/
(The site requires your ID and password. Enter your name and password issued by CASIO.)
2. Copy the CAB file to any folder on the DT-X7 via ActiveSync on WindowsXP PC or by using a storage card.
3. Execute the CAB file.
4. When the installation starts, the installation status will appear.

Installing Drivers

IRXpressSerialIrDA.exe, **SetupSerialIrDA.exe**, **IRXpresseUSBIrDA.exe** and **SetupUSBIrDA.exe** are drivers automatically copied to the following folder when you install the LMWIN Version 7.00 or later to a Windows Vista PC.

C:\Program Files\CASIO\LMWIN\IRXpress

- **USB Driver**

In Windows Vista, install both the **SetupUSBIrDA.exe** and **IRXpressUSBIrDA.exe** drivers in the same local folder, otherwise an error occurs, and then carry out the **SetupUSBIrDA.exe** driver only.

- **RS-232C Driver**

In Windows Vista, install both the **SetupSerialIrDA.exe** and **IRXpressSerialIrDA.exe** drivers in the same local folder, otherwise an error occurs, and then carry out the **SetupSerialIrDA.exe** driver only.

Selecting Communication Utility

Before establishing a connection with a Windows Vista PC via Windows Mobile Device Center, the default setting (see Figure 1.1) on the handheld terminal must be changed.

1. Close all applications running on the terminal.
2. Navigate to Settings → Control Panel → USB Connection.
3. Click Connect Utility Tab.
4. Select the radio button for “Window Mobile Device Center”. See Figure 1.1.

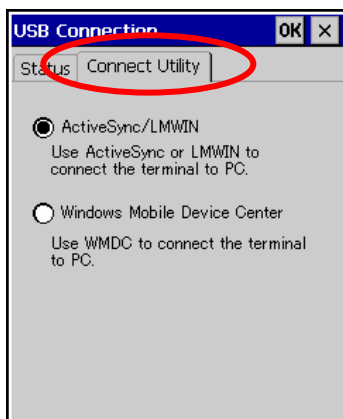


Figure 1.1

5. A dialogue asking your final confirmation appears. Click **YES** button.

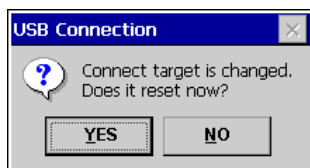


Figure 1.2

6. The handheld terminal starts up again.
7. Mount the handheld terminal on cradle.

2. Tips on Development in the Windows Vista

Before starting application development with Windows Vista PC, note the following tips:

- eMbedded Visual C++ and Visual Studio .NET 2003 do not run in the Windows Vista, use Visual Studio 2005, Visual Studio 2005 Service Pack 1, and Visual Studio 2005 Service Pack 1 Update for the Windows Vista.
- ActiveSync is no longer supported by the Windows Vista. Install Windows Mobile Device Center 6.1 or later to establish connection between handheld terminal and a Windows Vista PC.
- Refer to Chapter 1 for required drivers and patch files by handheld terminal for connection with a Windows Vista PC.
- For more comprehensive information about the interoperability among CASIO software, PC OS and development environment, refer to the attached “Cross-reference Chart”.

3. Technical Support

Support regarding the issue in this bulletin is handled by CASIO Tokyo for all the geographic areas with exception of European countries. All European countries except Russia are supported by CASIO Europe GmbH in Germany. If you are situated in the area, please contact CASIO Europe GmbH for any inquiry you may need. Information in this bulletin is subject to change without a prior notice.

CASIO Tokyo Technical Support System

https://secure.casio.co.jp/system_en/techsupport/free/

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- End of the Bulletin -

Compatibility Chart among CASIO Software, PC OS and Development Environment

As of January 2008

			Microsoft								CASIO																											
			Integrated Development Environment						Connec- tion S/W	Development Environment for SH-C						Development Environment for WinCE						Terminal Connection		Basic SDK												Connec- tion S/W		
			C,C++	C#/VB.NET	C,C++	C#/VB.NET	C,C++	C#/VB.NET	ActiveSync ※2	Windows Mobile Device Center ※2	C Language Development Kit	Font Converter(DT-700→DT-900)	User Font Creation Tool for DOS	OS Loader	OS Loader(32bit)	Font Converter(32bit)	Export SDK (for Terminal, old format)	Export SDK (for Emulator, old format)	CASIO Library (C/C++)	CASIO Library (.NETCompactFramework:C#)	CASIO Library(.NETCompactFramework:VB.NET)	Font Conversion Tool (for Printer Font)	USB Driver (Including INF file)	IRXpressUSBIrDA/IRXpressSerialIrDA	C Language SDK GUI Version (DT-930GUI)SDK ※3	ExportSDK	Common Device Control Library	JPEG Library	FLINK Library	Device Emulator	Font Converter	Common Device Control Library	JPEG Library	FLINK Library	MultiDrop	LMWIN		
Product Category	Model Name		OS																																			
	Data Collection	DT-900	μITRON																																			
Handheld Terminal	DT-930																																					
	DT-X10	WindowCE.NET 4.1																																				
	DT-X5																																					
	IT-3000																																					
	IT-500																																					
	DT-X7	WindowsCE 5.0																																				
	DT-X11																																					
	IT-600																																					
Pocket PC	IT-10	Windows Mobile 2003 SE for PocketPC																																				
PC OS	Client OS	Windows 98SE																																				
		Windows Me																																				
		Windows NT 3.51 Workstation																																				
		Windows NT 4.0 Workstation																																				
		Windows 2000 Professional																																				
		WindowsXP																																				
		Windows Vista *4																																				
	Server OS	Windows NT 4.0 Server																																				
		Windows 2000 Server																																				
		Windows Server 2003																																				

*1: Official support will be announced later.
*2: It is necessary to change Product IDs with USB Client Patch File in order to connect to a Windows Vista PC.
*3: Support for Windows Vista/Visual Studio 2005 will be announced later.
*4: All performances in the cross-reference chart are tested and assessed with Enterprise, Ultimate and Business editions. Other editions are not recommended to install.