CASIO COMPUTER CO., LTD.

6-2, Hon-machi 1-chome Shibuya-ku, Tokyo 151-8543, Japan Telephone: +81-3-5334-4771 Facsimile: +81-3-5334-4656 URL: http://world.casio.com/system/pa/



# **PA** TECHNICAL BULLETIN

Technical Bulletin No. : TB-PA-2008001 Date: January 29<sup>th</sup>, 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.

Matsuzaki

Akira MATSUZAKI General Manager Overseas Marketing and Sales Department System Solution Products HQ.



### 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

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

Continue.

WMDC\* ; Windows Mobile Device Center

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IT-500	IT-560IOE	USB by	Not operable.	Operable if you install in PC;							
	Bridge	IrDA		- IrXpresseUSBIrDA.exe							
	Basic	Protocol		- SetupUSBIrDA.exe							
	Cradle			1							
	IT-564IOE	RS-232C	Not operable.	Operable if you install in PC;							
	Bridge	by IrDA		- IrXpressSerialIrDA.exe							
	Satellite	Protocol		- SetupSerialIrDA.exe							
	Cradle	USB by	Not operable.	Operable if you install in PC:							
		IrDA	I I I I I I I I I I I I I I I I I I I	- IrXpresseUSBIrDA.exe							
		Protocol		- SetupUSBIrDA exe							
DT-X10	DT-160IOE	RS-232C	Not operable	Operable if you install in PC:							
DIMO	Bridge	hy IrDA	Not operable.	- IrYpressSerialIrDA eve							
	Satellite	Protocol		- SotupSorialIrDA ava							
	Cradle	LISP by	Not operable	Operable if you install in PC:							
	Crudie		Not operable.	Uperable if you filstall in FC,							
		IIDA Protocol									
		FIOLOCOI		- SetupUSBIrDA.exe							
DT M		USB Direct	Not operable.	Not operable.							
DT-X5	HA-A60IO	USB by	Not operable.	Operable if you install in PC;							
	Bridge	IrDA		- IrXpresseUSBIrDA.exe							
	Basic	Protocol		- SetupUSBIrDA.exe							
	Cradle	DG agag									
	HA-A611O	RS-232C	Not operable.	Operable if you install in PC;							
	Bridge	by IrDA		- IrXpressSerialIrDA.exe							
	Satellite	Protocol		- SetupSerialIrDA.exe							
	Cradle	USB by	Not operable.	Operable if you install in PC;							
		IrDA		<ul> <li>IrXpresseUSBIrDA.exe</li> </ul>							
		Protocol		- SetupUSBIrDA.exe							
IT-3000	HA-B61IO	RS-232C	Not operable.	Operable if you install in PC;							
	Bridge	by IrDA		<ul> <li>IrXpressSerialIrDA.exe</li> </ul>							
	Satellite	Protocol		- SetupSerialIrDA.exe							
	Cradle	USB by	Not operable.	Operable if you install in PC;							
		IrDA	1	- IrXpresseUSBIrDA.exe							
		Protocol		- SetupUSBIrDA.exe							
DT-X11	DT-160IOE	RS-232C	Operable if you install in PC:	Operable if you install in PC:							
	Bridge	by IrDA	- IrXpressSerialIrDA.exe	- IrXpressSerialIrDA.exe							
	Satellite	Protocol	- SetupSerialIrDA exe	- SetupSerialIrDA exe							
	Cradle	USB by	Operable if you install in PC:	Operable if you install in PC <sup>-</sup>							
		IrDA	- IrXpresseUSBIrDA eye	- IrXpresseUSBIrDA eye							
		Protocol	- SetupUSBIrDA eve	- SetunUSBIrDA eve							
		USB Direct	Operable if you install in	Operable if you install in							
			$DT_X11$	$DT_X11$							
			- USPClientDTV11 110 CAD	DI-AII,							
			and choose "WMDC" See	osbClientDTATT.TIU.CAB							
			"Selecting Communication	and choose							
			Itility" on page 5	"Solooting Communication							
			ounty on page 5.	Selecting Communication							
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IT-600	HA-D60IO	USB Direct	Operable if you install in	Operable if you install in							
1	USB		IT-600;	IT-600;							
	Cradle		- USBClientIT600.110.CAB	- USBClientIT600.110.CAB							
			and choose "WMDC". See	and choose							
			"Selecting Communication	"ActiveSync/LMWIN". See							
1			Utility" on page 5.	"Selecting Communication							
				Utility" on page 5.							
	HD-D62IO	USB (USB	Operable if you install in	Operable if you install in							
1	Ethernet	port)	IT-600;	IT-600;							
	Cradle	Direct	- USBClientIT600.110.CAB	- USBClientIT600.110.CAB							
			and choose "WMDC". See	and choose							
			"Selecting Communication	"ActiveSync/LMWIN". See							
			Utility" on page 5.	"Selecting Communication							
				Utility" on page 5.							
DT-X7	HA-F60IO	USB Direct	Operable if you install in	Operable if you install in							
	USB		DT-X7;	DT-X7;							
	Cradle		- USBClientDTX7E.110.CAB	- USBClientDTX7E.110.CAB							
			and choose "WMDC". See	and choose							
			"Selecting Communication	"ActiveSync/LMWIN". See							
			Utility" on page 5.	"Selecting Communication							
				Utility" on page 5.							
	HA-F62IO	USB (USB	Operable if you install in	Operable if you install in							
	Ethernet	port)	DT-X7;	DT-X7;							
	Cradle	Direct	- USBClientDTX7E.110.CAB	- USBClientDTX7E.110.CAB							
	(USB port)		and choose "WMDC". See	and choose							
			"Selecting Communication	"ActiveSync/LMWIN". See							
			Utility" on page 5.	"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.

 Download the CAB file from the following site. The file is model dependent, therefore, it is posted on the download page by model. <u>http://www2.casio.co.jp/system\_en/pa/PADealer/</u>

(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  $\rightarrow$  Control Panel  $\rightarrow$  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 <u>https://secure.casio.co.jp/system\_en/techsupport/free/</u> CASIO Europe GmbH: Mr. Arne Reinelt <u>Europeht@casio.de</u>

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# Compatibility Chart among CASIO Software, PC OS and Development Environment

				Microsoft																				CA	SIO												
				Integrated Development Connec- Environment tion S/W						-	Development Environment for SH-C							Development Environment for Terminal WinCE Connectic							l Basic SDK										Conn tion {	⊧ec− S/W	
			eMbedded Visual C++ 4.0	VisualStudio.NET 2003	Visual Studio 2005		Visual Studio 2008 <sup>%1</sup>		*2		0	(0)					rmat)	rmat)		amework:C#)	mework:VB.NET)	er Font)		IrDA	0T−930GUISDK) <sup>%3</sup>	XQSID 5006-L			/	Add	l–on	on Sample Pro		gram			
		C,C++	C#/VB.NET	C,C++	C#/VB.NET	C,C++ C#/VR NFT	A 11: 50 %2	Acuvesync Windows Mohile Device Center	C   anglage Development Kit	C cangaage Development Nit Font Convertor(DT-700→DT-90		User Font Greation 1 ool for DUS	OS Loader	OS Loader(32bit)	Font Convertor(32bit)	Export SDK (for Terminal, old for	Export SDK (for Emulator, old fo	CASIO Library (C/C++)	CASIO Library (.NETCompactFra	CASIO Library(.NETCompactFra	Font Conversion Tool (for Printe	USB Driver (Including INF file)	IRXpressUSBIrDA/IRXpressSeri	C Language SDK GUI Version (D	ExportSDK	Common Device Control Library	JPEG Library	FLINK Library	Device Emulator	Font Converter	Common Device Control Library	JPEG Library	FLINK Library	MultiDrop	LMWIN		
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\*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.