

# ICE iPush<sup>®</sup> Communication Server

# Embedded

## **Quick Start**

## for WinCon-8000

By: ICE Technology Corp., Sept 23, 2004 Ver.: 1.3.11

 $E-Mail \ service@icetechnology.com Tel \ +886-2-23961880 Fax \ +886-2-23961881 \\$ 

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### iPush<sup>®</sup> Embedded Quick Start with IOModuleViewer

#### About IOModuleViewer

The IOModuleViewer is a VB sample client for iPush<sup>®</sup> Embedded, provided by ICE Technology. It can be run on Windows 2000 / XP / NT operating system. We use it here to explore the real-time messaging behaviors of I/O devices through I/O Module of iPush<sup>®</sup> Communication Server Embedded (iPush<sup>®</sup> Embedded, for short).

#### **Register iceHMsg.ocx**

You must register iceHMsg.ocx and iPushX.ocx **BOTH** to your Windows system before you run IOModuleViewer.

Execute [Start] / [Programs] / [Accessories] / [Command Prompt], execute the command below in the Command Prompt window:

G:\> regsvr32 iceHMsg.ocx [Enter] (supposed iceHMsg.ocx is put under G:\)

G:\> regsvr32 iPushX.ocx [Enter]

A dialog box will appear if registered successfully, as below:







#### Start IOModuleViewer

Double-click

IOModule Vie wer.exe

, the icon of IOModuleViewer.exe to start the program.

A window will be opened as below:

崎 IOModuleViewer	
Server	Messages
Server: 192.168.0.182 Port: 6000	
Company: ice	
Username: ice Connect	
Password:  ice Disconnect	
Unit: Chobits Module:	
Subscribe Unsubscribe	-
, Modules	

### Connect to iPush<sup>®</sup> Embedded

Make sure all the information needed for connecting to iPush<sup>®</sup> Embedded are correct: Server IP / Port / Company / Product / User / Password, then click Connect.

\* For more detail about the information of **Company** / **Product** / **User** / **Password**, please check the programming guide and IOModule Programming Guide for iPush client application development.



Server         Messages           Server:         192.168.0.182           Port:         6000           Connect success:         284           Connect success:         284	ModuleViewer	
Server: 192.168.0.182 Port: 6000 Connect success: 284	er	
Company: ice Product: ice Connect Product: ice Connect Username: ice Password ice Unit Chobits Subscribe Unit Chobits Subscribe Chobits Subscribe Connect Disconnect Disconnect Disconnect Disconnect Disconnect Disconnect Disconnect Disconnect Disconnect Disconnect Disconnect Disconnect Disconnect Disconnect Disconnect Module: WCBK. Chobits CM slot=1 name=8041 id=1 type=0x62 active=Tr. Module: WCBK. Chobits CM slot=6 name=8046 id=5 type=0x62 active=Tr. Module: WCBK. Chobits CM slot=6 name=8046 id=5 type=0x62 active=Tr. Module: WCBK. Chobits CM slot=6 name=8046 id=5 type=0x62 active=Tr. Module: WCBK. Chobits B024 aJAnalog1] VoltageOutput(Float) = 0 Property: (WCBK. Chobits 8024 aJAnalog1] VoltageOutput(Float) = 0 Modules Subscribe Information real-time messages	er [192:168.0.182 Port: 6000 any: ice uct: ice name: ice word: ice Connect Disconnect Chobits Module: WC8K. Chobits. CM] slot=1 name Module: WC8K. Chobits. CM] slot=2 name Module: WC8K. Chobits. CM] slot=5 name Module: WC8K. Chobits. CM] slot=5 name Module: WC8K. Chobits. CM] slot=7 name Module: WC8K. Chobits. SM] slot=7 name Module: WC8K. Chobits. SM] slot=7 name Module: WC8K. Chobits. SM] slot=7 name Property: WC8K. Chobits. SM] slot=7 name Property: WC8K. Chobits. SM] slot=7 name Module: WC8K. Chobits. SM] slot=7 name Property: WC8K. Chobits. SM] slot=7 name Propert	e=8041 id=1 type=0xE0 active=Tri e=8077 id=2 type=0x80 active=Tri e=8074 id=3 type=0x20 active=Tri e=8075 id=4 type=0xC2 active=Tri e=8055 id=6 type=0xC3 active=Tri e=8053 id=7 type=0xC3 active=Tri 0]VoltageOutput(Float) = 0

#### Real-time messaging with iPush<sup>®</sup> Embedded

If connected successfully, you may see the subject tree showed in the Modules block and real-time messages showed in the Messages block.

Click any '+' symbol in the Modules block to expand the subject tree. Click any node or leaf of the tree to show more information about the specified group or tag. As figure below, the information are belong to subject **WC8K.Chobits.8077\_4.SuperGroup.TagA:** 

**Warning:** IF ANY SYSTEM CONFIGURATION CHANGES (LIKE SAME MODULE, BUT SLOT CHANGE), PLEASE CHECK ALL SUBSCRIBED TAG IN PROGRAMMING (LIKE 8053\_1) CODE IS IDENTICAL WITH I/O MODULES ON WINCON-8000 (MIGHT 8053 at SLOT 1). YOU CAN USE PEPROT FUNCTION (Demonstrated at VC Client) TO GET CURRENT SYSTEM STATUS.



🏟 IOModule Viewer		IX
Server	Messages	
Server: [192.168.0.182 Port: 6000 Company: ice Product: ice Username: ice Password: ice Username: ice Unit: Chobits Module: Subscribe Unit: Chobits Unsubscribe Unsubscribe	Connect success: 284 Connect ready: 192.168.0.182: 6000 Module: [WC8KChobits.CM] slot=1 name=8041 id=1 type=0xE0 active=Trr Module: [WC8KChobits.CM] slot=2 name=8017 id=2 type=0x80 active=Trr Module: [WC8KChobits.CM] slot=3 name=8024 id=3 type=0x80 active=Trr Module: [WC8KChobits.CM] slot=4 name=8077 id=4 type=0xC2 active=Trr Module: [WC8KChobits.CM] slot=5 name=8040 id=5 type=0xC3 active=Trr Module: [WC8KChobits.CM] slot=6 name=8056 id=6 type=0xC3 active=Trr Module: [WC8KChobits.CM] slot=7 name=8056 id=6 type=0xC3 active=Trr Property: [WC8K.Chobits.8017_2.Analog0] VoltageInput(Float) = 1.4038091 Property: [WC8K.Chobits.8017_2.Analog1] VoltageInput(Float) = -8.544922]	
Modules		' 
A Chabits	Unit	
■ CHODICS ■ 8041	- Chobits	
8017	Module:	
the Analog0	Slot #: 4	
M Analog1	Name: 8077	
🐪 Analog2	ld: 4	
🐪 Analog3	Type: 0xC2	
🐪 Analog4	Active?: ues	
🐪 Analog5		
🐪 Analog6	Group:	
🐪 🦛 Analog7	SuperGroup	
8024	Tag	
§ 8077	Name: Tagó	
superGroup	Propertur Digitalloput	
tagA	Property. Digitaliniput	
é 🏞 SubGroup	Type: Integer	
tag0	Value: 102	
	N/k 2002/11/14/07/15/E0	
	wnen: 2003/11/14 07:15:58	

Right now, you may change the switch of I/O device i8077 on slot 4 to watch the value change with real-time message.