



# Everlink

USER GUIDE

# CONTENTS

- 1. Introduction..... 1
  - 1.1. Install Everlink ..... 2
  - 1.2. Work area..... 5
- 2. Getting start ..... 9
  - 2.1. Link to PI series ..... 9
  - 2.2. Link to Server ..... 13
- 3. Feature ..... 14
  - 3.1. Device..... 14
  - 3.2. Files ..... 16
- 4. Utility ..... 25
  - 4.1. Scanner(HID) ..... 25
  - 4.2. Message ..... 27
  - 4.3. History..... 31

# 1. Introduction

Everlink.exe is design for PI series to achieve manage multiple PI series to upgrade, transfer file and sending message. It can communicate to ControlCenter for cloud service.

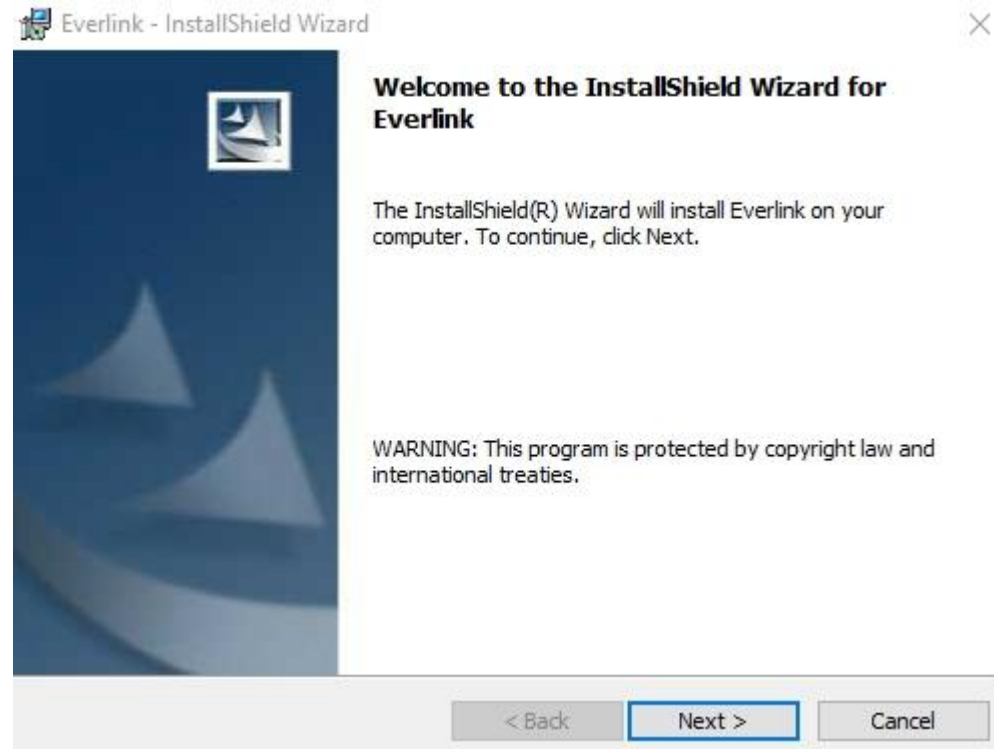
- System requirements

To run the program, one of the windows operating system is required.

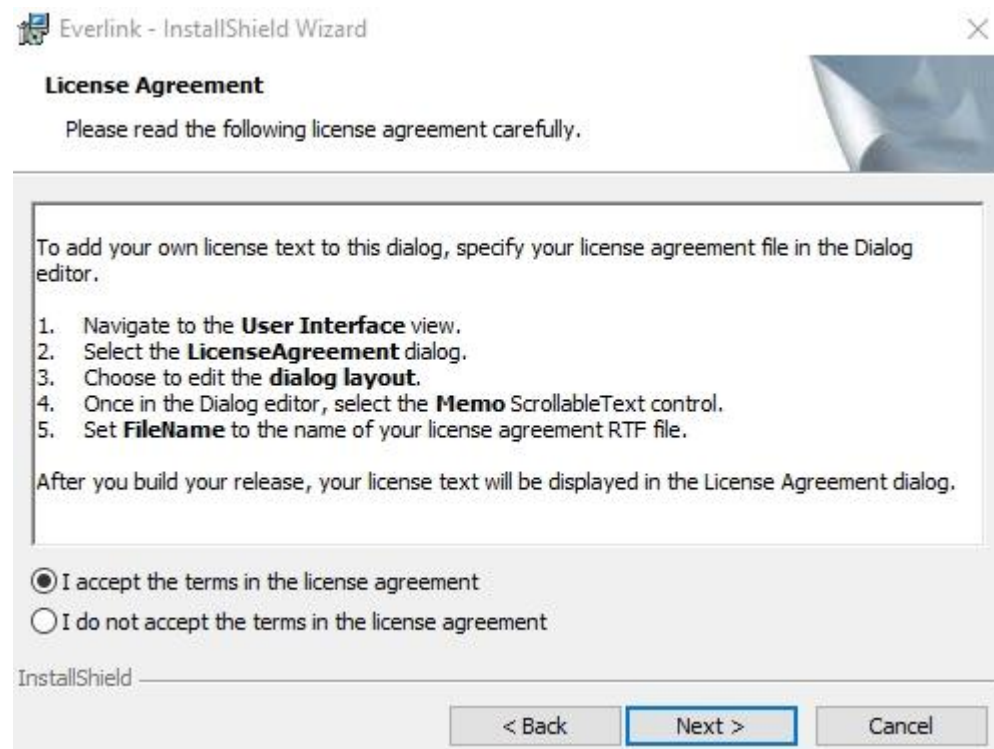
- Windows XP
- Windows 7
- Windows 8
- Windows 10

## 1.1. Install Everlink

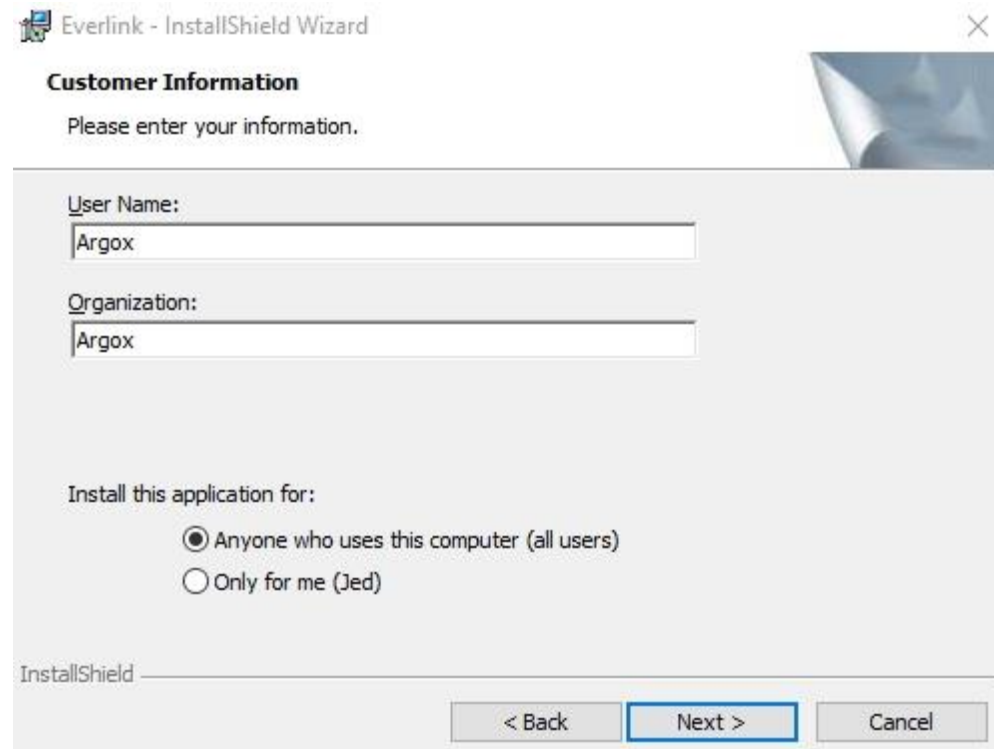
1. In the Everlink- InstallShield Wizard, click Next.



2. Select "I accept the terms in the license agreement" and click Next.



3. Enter User Name and Company Name, then click “Next”.



Everlink - InstallShield Wizard

**Customer Information**

Please enter your information.

User Name:  
Argox

Organization:  
Argox

Install this application for:

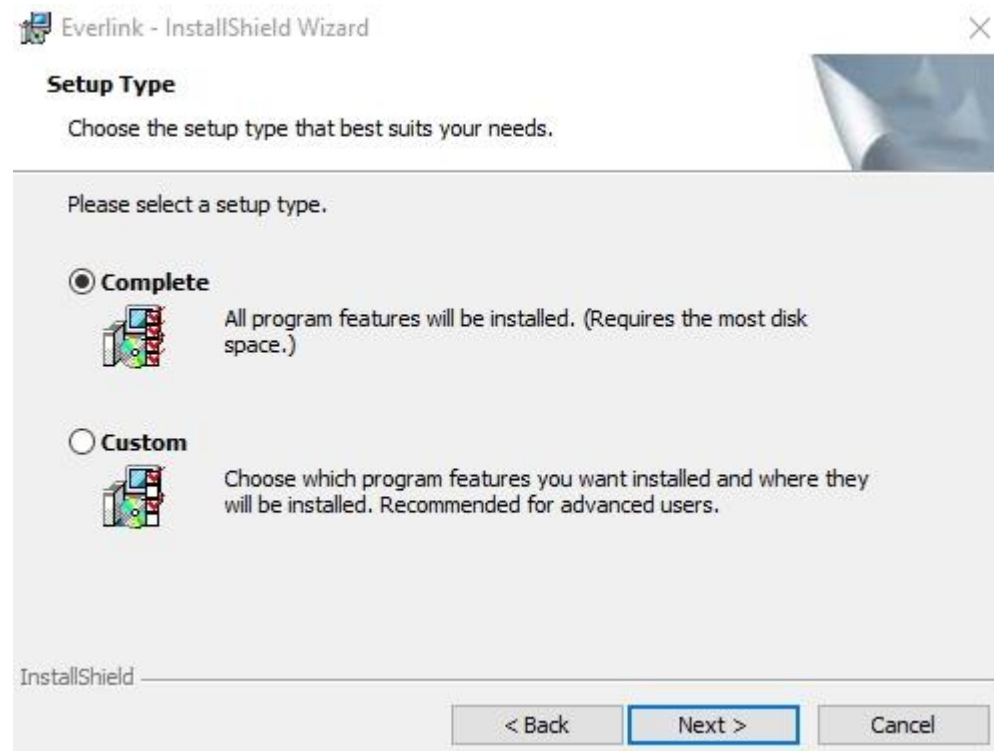
☒ Anyone who uses this computer (all users)

☐ Only for me (Jed)

InstallShield

< Back Next > Cancel

4. Click Complete option and click next.




Everlink - InstallShield Wizard

**Setup Type**


Choose the setup type that best suits your needs.

Please select a setup type.

☒ **Complete**

 All program features will be installed. (Requires the most disk space.)

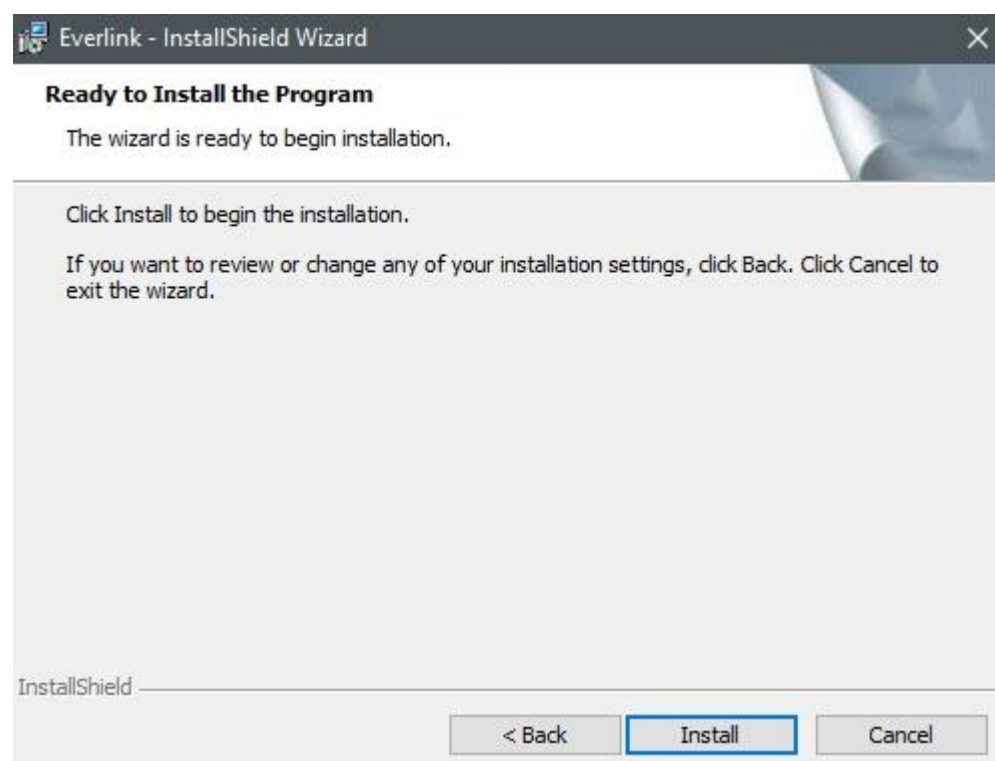
☐ **Custom**

 Choose which program features you want installed and where they will be installed. Recommended for advanced users.

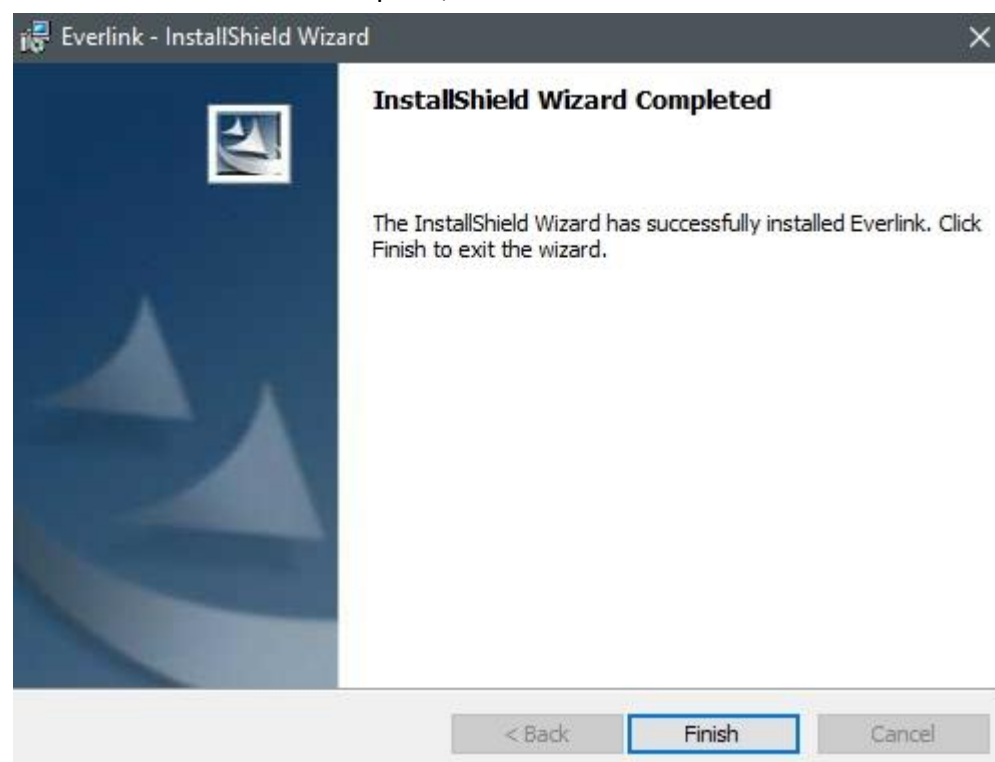
InstallShield

< Back Next > Cancel

5. Click "Install" will start to install Everlink.

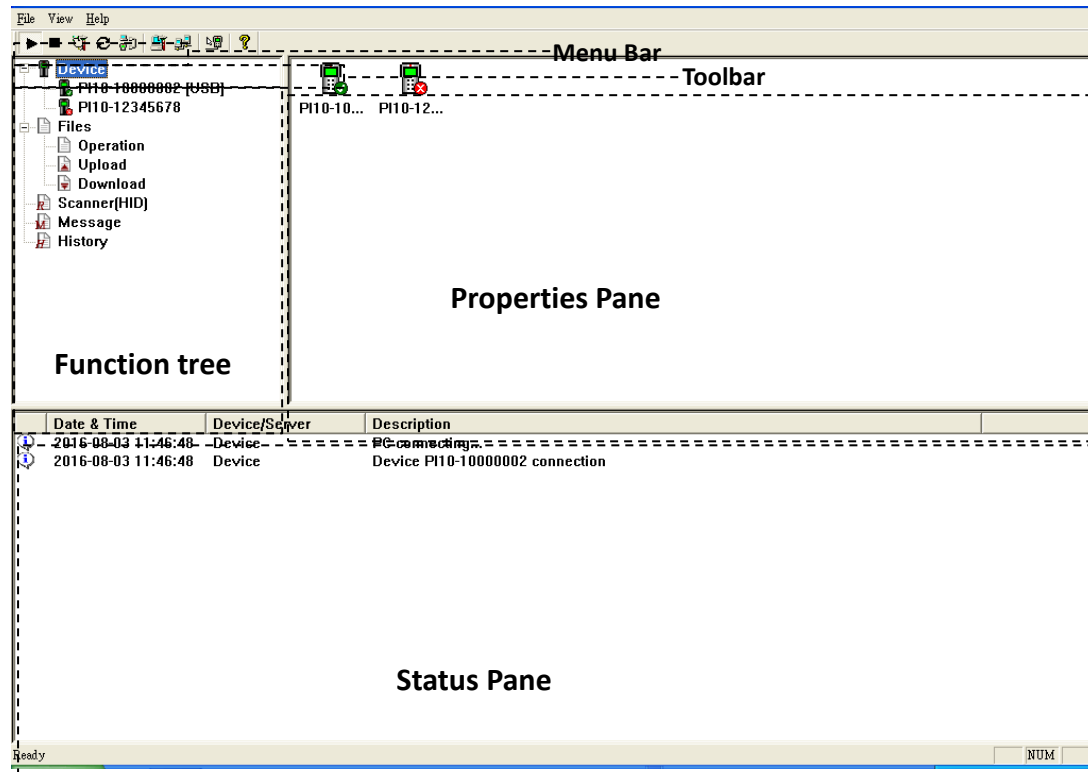


6. After installation is complete, click "Finish".



## 1.2. Work area

Run Everlink in your computer. There are five area in window.



- **Menu Bar** It includes basic program menus.
- **Toolbar** Toolbar offers a shortcut for communication server or device.
- **Function tree** Everlink function tree.
- **Properties Pane** Display Everlink function properties.
- **Status Pane** Display information about Device and server.

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## Menu Bar

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Menu Bar lets you control basic functions in Everlink.

File   View   Help

### File

**Auto Start:** automatically run Everlink when windows ready.

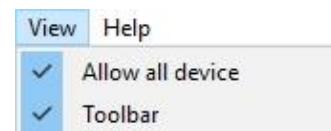
**Exit:** Close Everlink.



### View

**Allow all device:** Display all device or not.

**Toolbar:** Display Toolbar or not.



### Help

**About Everlink:** Display Everlink version.





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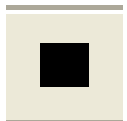
*Tool Bar*

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Toolbar include most of the communication function.



Start connections to device.



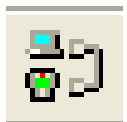
Stop connections to device.



Setup device communication port



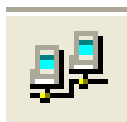
refresh device communication port



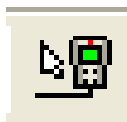
Upload or download file for device



Setup serve communication port



Stop/start communication server



Setup collect data mode for Scanner(HID)



About

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### Setting pane

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- ① **Device:** Display device status.
- ② **Files:** Offering data transform, upload and download function.
- ③ **Scanner(HID) :** Offering a direct way to receive data from terminal to Everlink.
- ④ **Message:** Enable to send or receive message from terminal or ControlCenter.
- ⑤ **History:** Offering search and save function from status pane.

---

### Status pane

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①	②	③	④
	Date & Time	Device/Server	Description
	2016-08-23 10:03:24	Device	PC connecting...
	2016-08-23 10:03:25	Device	Device PI10-10000002 connection
	2016-08-23 10:03:38	Device	[2016-08-23 10:10:03] PI10-10000002 scan data : 4901991570014
	2016-08-23 10:06:31	Device	[2016-08-23 10:12:55] PI10-10000002 scan data : 4901991570014
	2016-08-23 10:06:42	Device	[2016-08-23 10:13:06] PI10-10000002 scan data : 4901991570014
	2016-08-23 10:06:48	Device	[2016-08-23 10:13:12] PI10-10000002 scan data : 4901991570014
	2016-08-23 10:09:45	Device	PC disconnect all device

- ① **Image Level :** Errors () , Warnings() or Informations ()
- ② **Date & Time :** Information prompt time.
- ③ **Device/Server :** Information from Device to Everlink or Control Center to Everlink.
- ④ **Description :** Display detail information

## 2. Getting start

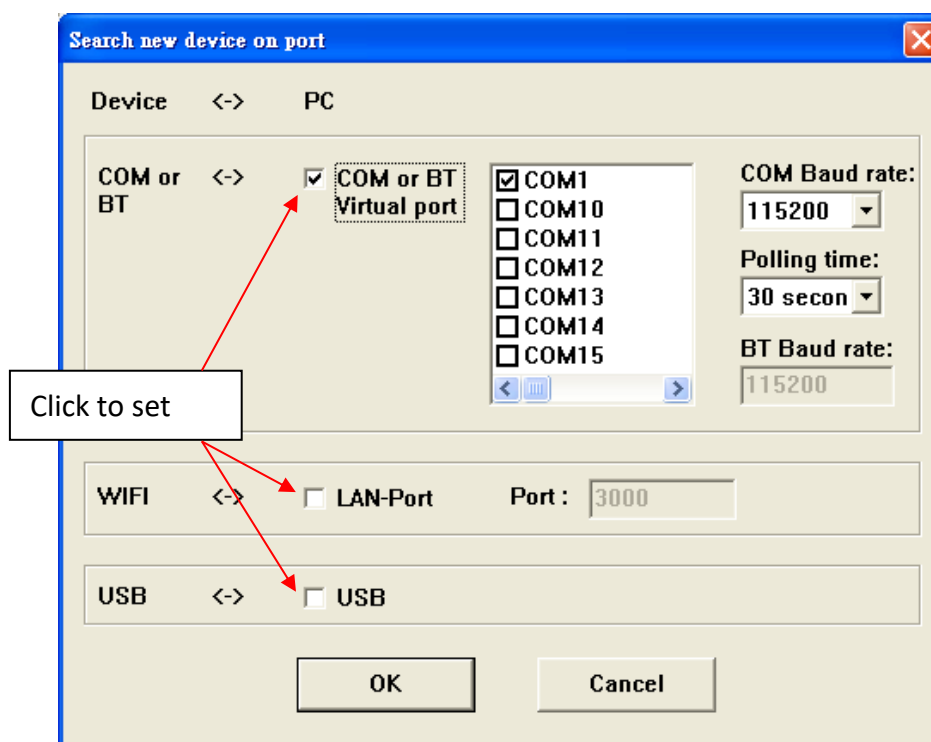
### 2.1. Link to PI series

There are four type of communication ways for PI series to PC.

[LINK](#)



1. Click “Comm setting” in toolbar to open device setting. There are four type of connection you can choose which are COM, BT, WIFI and USB.



- **COM or BT**

Detect way: Use polling to check each terminal in polling time. Ask terminal information to determine terminal respond is connection or not.



**Note** Bluetooth only support serial port profile(SPP) mode to emulate com port.

COM Baud rate : Set consistent baud rate between device and PC.

Polling time : select polling time in COM and BT setting.

- **WIFI**

Detect way: automatically detect.

Port : Set the consistent port between device and PC. The rage is 1~65535 (default: 3000)

- **USB**

Detect way: automatically detect.



2. Click “Comm start” in toolbar to start connection.
3. Adjust PI series in Remote Link menu and choose which connection you want to use. Move cursor to “Connect” then press ENT button.

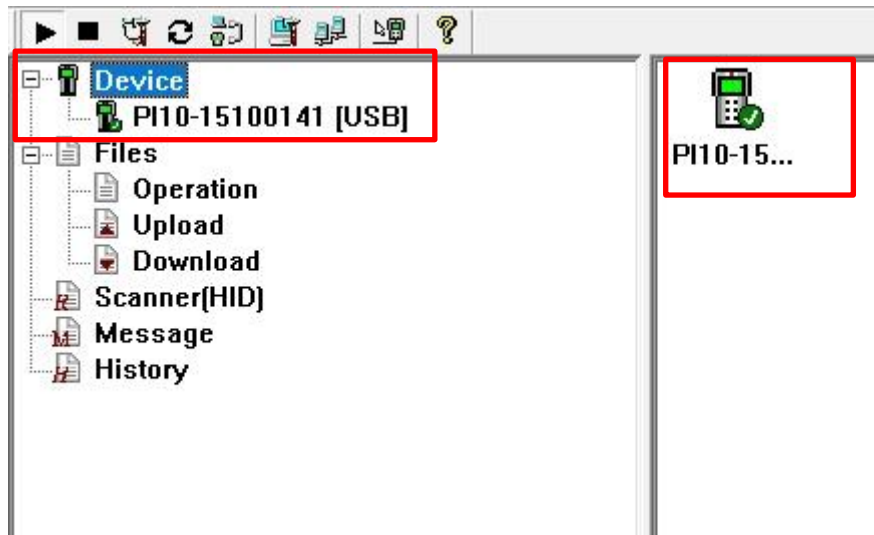


For more information about PI series communication setting, Please refer to PI series user manual CH 3.3.1 in supervisor mode.




**Note** Once you leave “Remote link” page in terminal. The link will disconnected

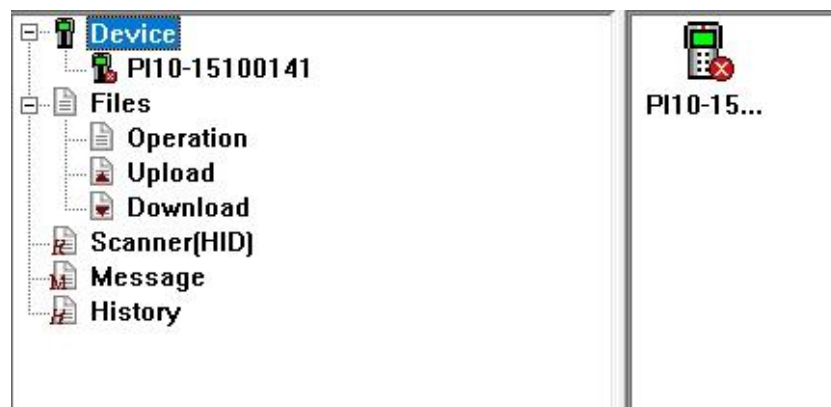
4. If you are successfully connected, click “Device” in setting pane will display model number and connection way.




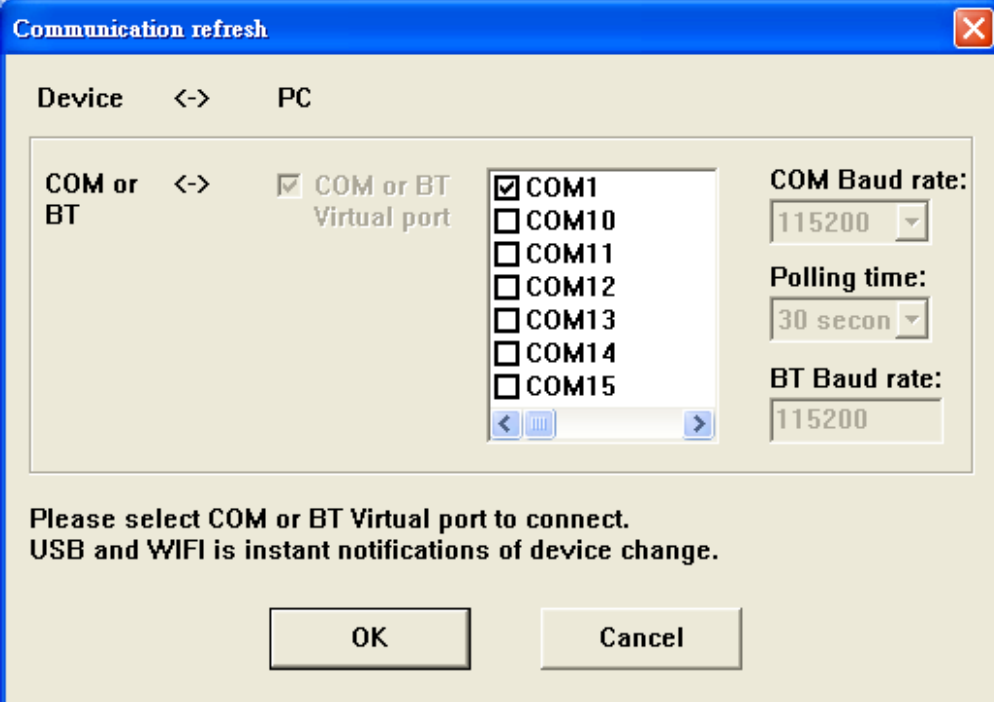
**Note** Check terminal and PC setting if terminal is not detected.

*Stop and Refresh*

Press “Comm stop”  button in toolbar to disconnect all terminal



Press “Comm refresh”  button in toolbar when device connects with COM and BT to Everlink. USB and WIFI connection is automatically refresh.



The dialog box is titled "Communication refresh" and has a close button (X) in the top right corner. It contains a "Device" section with a "<->" button and the label "PC". Below this is a "COM or BT" section with a "<->" button and a checked checkbox labeled "COM or BT Virtual port". To the right of the checkbox is a list of COM ports: COM1 (checked), COM10, COM11, COM12, COM13, COM14, and COM15. Below the list are navigation buttons: a left arrow, a list icon, and a right arrow. To the right of the list are three settings: "COM Baud rate:" with a dropdown menu showing "115200", "Polling time:" with a dropdown menu showing "30 secon", and "BT Baud rate:" with a text field showing "115200". At the bottom of the dialog, there is a message: "Please select COM or BT Virtual port to connect. USB and WIFI is instant notifications of device change." and two buttons: "OK" and "Cancel".

Device <-> PC

COM or BT <-> ☒ COM or BT Virtual port

- ☒ COM1
- ☐ COM10
- ☐ COM11
- ☐ COM12
- ☐ COM13
- ☐ COM14
- ☐ COM15

COM Baud rate: 115200

Polling time: 30 secon

BT Baud rate: 115200

Please select COM or BT Virtual port to connect.  
USB and WIFI is instant notifications of device change.

OK Cancel


## 2.2. Link to Server

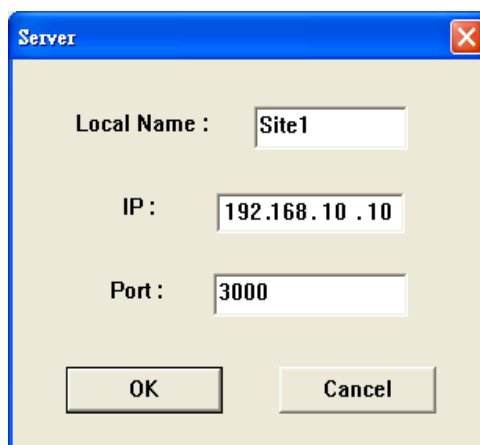
Everlink can set a connection to ControlCenter

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### *LINK to ControlCenter*

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1. Click “Server setting”  button to set up.



**Local Name** : Set PC name will display in Controlcenter.

**IP** : IP address from ControlCenter.

**Port** : Port form Controlcenter.

2. Click “Server commun”  to link ControlCenter.



#### **Note**

Make sure ControlCenter press “start” before you press “Server commun”.

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## 3.Feature

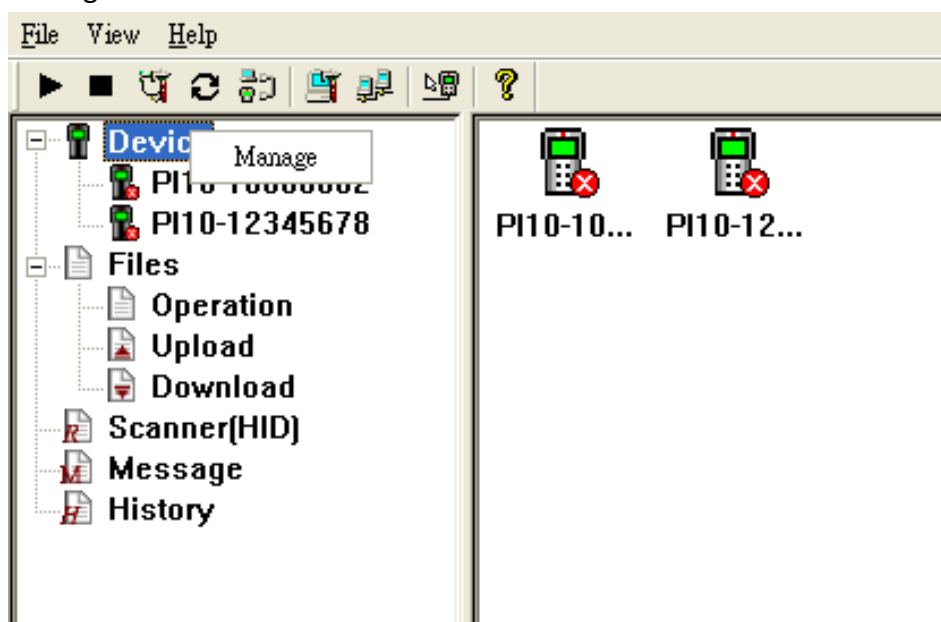
### 3.1. Device

Left click “Device”, it display all of terminal which used to connect. There are three different icon at right bottom in terminal image.

- “√”: terminal connected
- “x”: terminal disconnected
- “!” : update notifications



If “View”→“[Allow all device](#)” is canceled, right click “Device” will show Manage function.

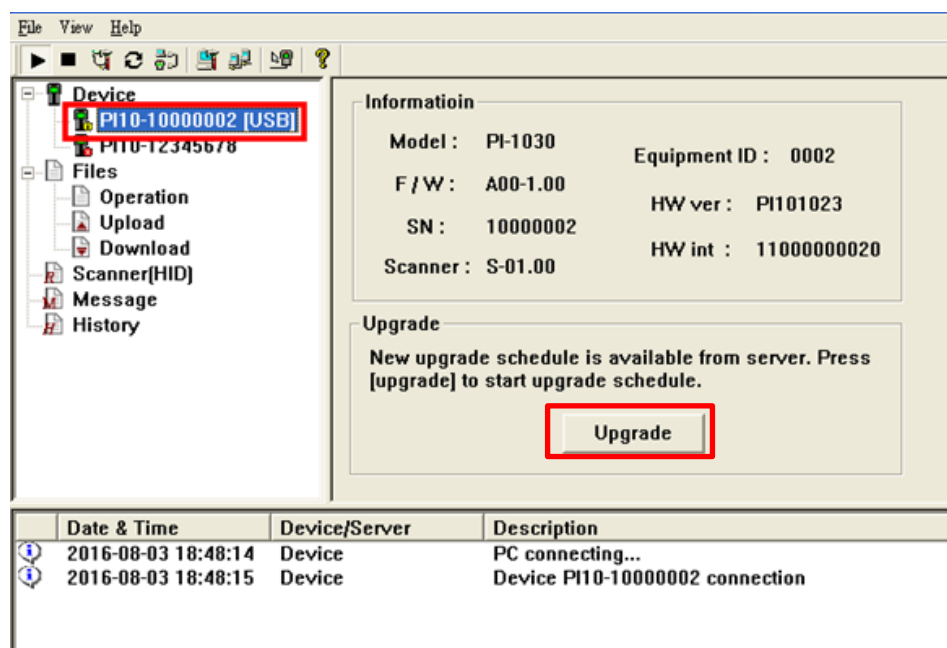




Tick box in front of PI series in Device Manage window to manage device. If you have some terminals which are broken or failed, you can also use this function.



Click each of terminal will show the detail information. Click upgrade button if server deploy upgrade function.



## 3.2. Files

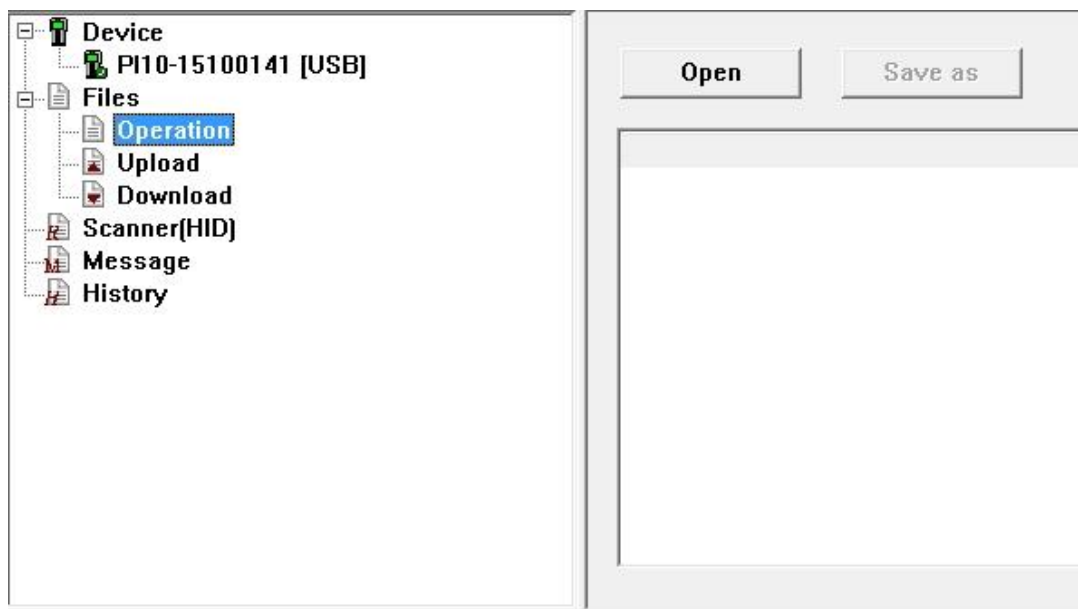
Files provide Operation, upload and download function. **Operation** can help you transfer your .txt or .dat data to another format. **Upload** can transmit file from terminal to computer. **Download** can transmit file from computer to terminal.

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### *Transfer format*

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1. Click "**Operation**" and Click "**Open**" button



#### **Note**

Open : File extension allow \*.txt and \*.dat

Save as : File extension allow \*.txt, \*.dat, \*.csv, \*.xls and \*.xml.

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- Click **"Browse"** to choose your data file. In **"Format"** block, fill **"Number of fields"** and select **"Length"** or **"Delimiter"** depends on data. After you finish setting, Click **"OK"**.

Open file

File Name : C:\input4.txt **Browse**

Format

Number of fields : 4

☐ Length

☒ Delimiter 44 ,

Field	Length		
1	1		
2	1		
3	1		
4	1		

OK Cancel



### Note

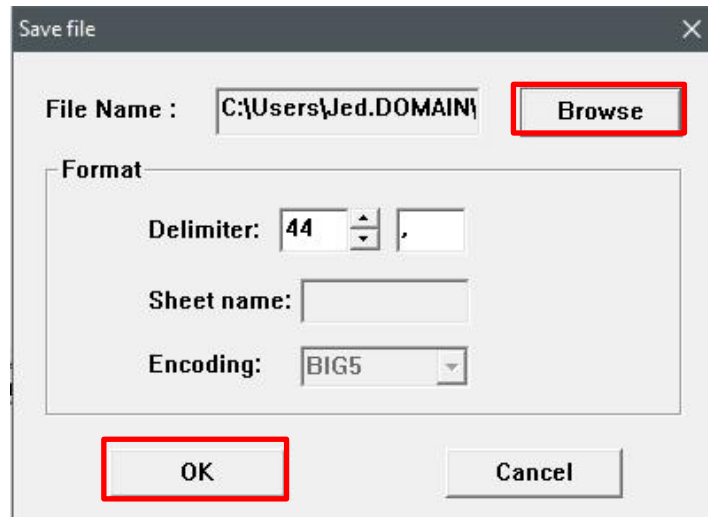
Length : 20 field supported maximum. Beware the "Space" !

- It will display the content as below. Click **"Save as"** to transfer format.

Open **Save as**

File1	File2	File3	File4
1000	CPU	Socket 370	3600
1001	RAM	DDR	1200
1002	MainBoard	A4 Size	2500
1003	Hard Disk	IDE	2300
1004	CD-ROM	USB	1400
1005	Mouse	USB	600
1006	Keyboard	USB	550
1007	Monitor	LCD	8900
1008	VGA Card	AGP	1100
1009	Sound Card	PCI	600

4. Click “**Browse**” button to select which file you want to save.
  - Choose “Delimiter” when you select .txt or .dat file extension.
  - Fill “Sheet name” when you select .xls file extension.
  - Choose a encoding when you select .xml file extension.



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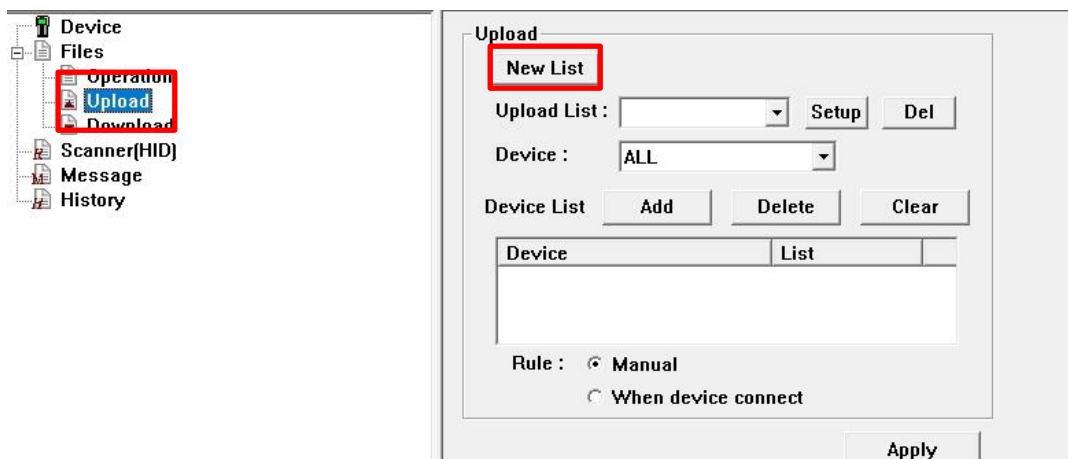
**Note**

“Sheet name” must over 2 English or numeric characters.  
.xml file can not support Chinese.

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### Upload file to computer

1. Click **“Upload”** and click **“New List”** button to create a new list



2. Select **“Tradition”** or **“Project”** type (Project type is used for Skywalker SDK software.) and follow the setting below.

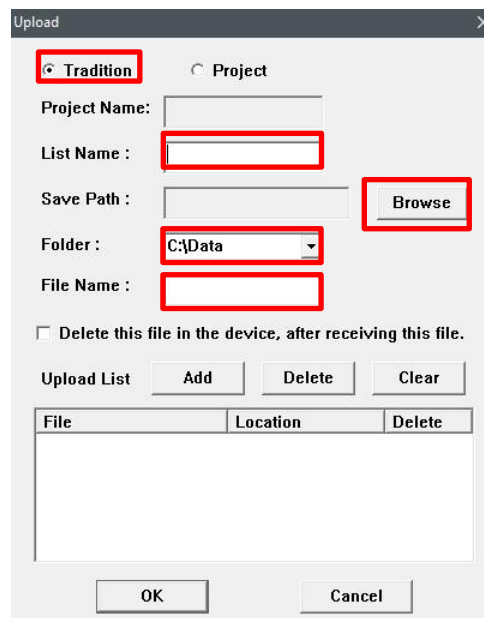
- Tradition type

**List Name** : Name a Upload list name.

**Save Path** : Click “Browse” button to select path in PC.

**Folder** : Type or choose path in terminal.

**File Name** : Name the file.



- Project type (Skywalker SDK only)

**Project Name** : Click “...” button to select project in terminal.

**List Name** : Name a Upload list name.

**Save Path** : Click “Browse” button to select path in PC.

Upload

☐ Tradition ☒ Project

Project Name:  ...

List Name :

Save Path :  Browse

☐ Delete this file in the device, after receiving this file.

Upload List

File	Location	Delete

3. Click “Add” button to add upload file. Click “OK” to save upload list.

Upload

☒ Tradition ☐ Project

Project Name:

List Name :

Save Path :  Browse

Folder :

File Name :

☐ Delete this file in the device, after receiving this file.

Upload List

File	Location	Delete
C:\Data\128K.txt	C:\Everlink	No




#### Note

“Delete” button can delete file in Upload List. “Clear” button can delete all file in Upload List.

4. After setting upload list, select Device you want to upload. Click **“Add”** button to add device in Device List.

The screenshot shows the 'Upload' dialog box. At the top is a 'New List' button. Below it are 'Upload List : up' and 'Setup' and 'Del' buttons. The 'Device :' dropdown is set to 'ALL' and is highlighted with a red box. Below that are 'Device List', 'Add', 'Delete', and 'Clear' buttons, with the 'Add' button highlighted by a red dashed box. A table with columns 'Device' and 'List' is empty. At the bottom, the 'Rule' section has two radio buttons: 'Manual' (selected) and 'When device connect'. An 'Apply' button is at the bottom right.

5. Choose **“Manual”** (Click  button in toolbar to upload) or **“When device connect”** (Automatically upload) and click **“Apply”** button to save upload setting.

This screenshot shows the 'Upload' dialog box after a device has been added. The 'Device List' table now contains one entry: 'PI10-15100141' under the 'Device' column and 'up' under the 'List' column. The 'Rule' section has 'Manual' selected with a radio button, and this section is highlighted with a red box. The 'Apply' button at the bottom right is also highlighted with a red box. Other elements like 'New List', 'Upload List : up', 'Setup', 'Del', 'Device : ALL', and 'Add', 'Delete', 'Clear' buttons remain the same.



#### Note

**“Delete”** button can delete device in Device List. **“Clear”** button can delete all in Device List.

### Download file to PI series

1. Click “**Download**” and “**New List**” to create a download list.



2. Select “**Tradition**” or “**Project**” type (Project type is used for Skywalker SDK software.). Follow the setting below.

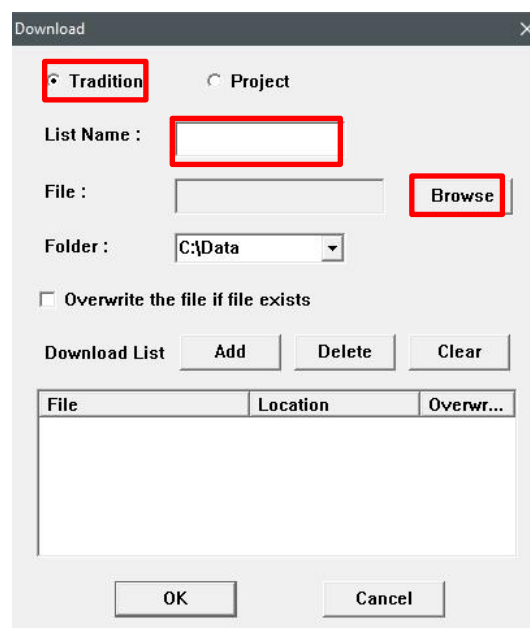
- Tradition type

**List Name** : Name a download list name.

**File** : Click “**Browse**” button to select file in PC.

(\* .txt, \*.dat, \*.bas, \*.cft or All file)

**Folder** : Enter or choose path in terminal to save file.





- Project type (Skywalker SDK only)

**List Name** : Name a download list.

**File** : Click “**Browse**” button to select project file from Skywalker in PC. (\*.prj)

3. Click “**Add**” button to add download file. Click “**OK**” to save download list. “**Delete**” button can delete file in Download List. “**Clear**” button can delete all file in Download List.



### Note

In tradition mode, you can select overwrite or not.

- After setting Download List, select Device you want to download. Click **"Add"** button file in Device List.

**Download**

New List

Download List : down Setup Del

Device : ALL

Device List Add Delete Clear

Device	List
--------	------


Rule : ☒ Manual ☐ When device connect

Apply



#### Note

**"Delete"** button can delete device in Device List. **"Clear"** button can clear all device in Download List.

- Choose **"Manual"** (Click  button in toolbar to download) or **"When device connect"** (Automatically download) and click **"Apply"** button to save Download setting.

**Download**

New List

Download List : down Setup Del

Device : ALL

Device List Add Delete Clear

Device	List
PI10-15100141	down

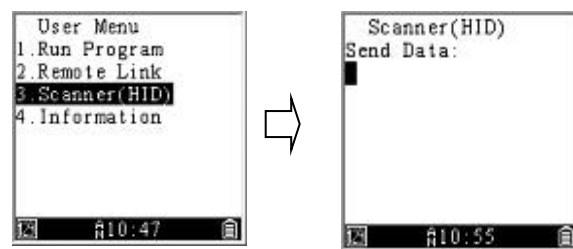
Rule : ☒ Manual ☐ When device connect

Apply

## 4. Utility

### 4.1. Scanner(HID)

Scanner(HID) can receive terminal data when terminal select option 3  
“Scanner(HID)” mode as below. Push Scan button on PI series to read barcode.  
Information data will automatically upload to Everlink



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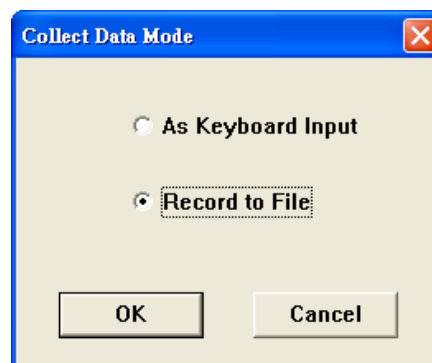
#### *Collected data*

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1. Click “**Collect data mode**” button in toolbar.



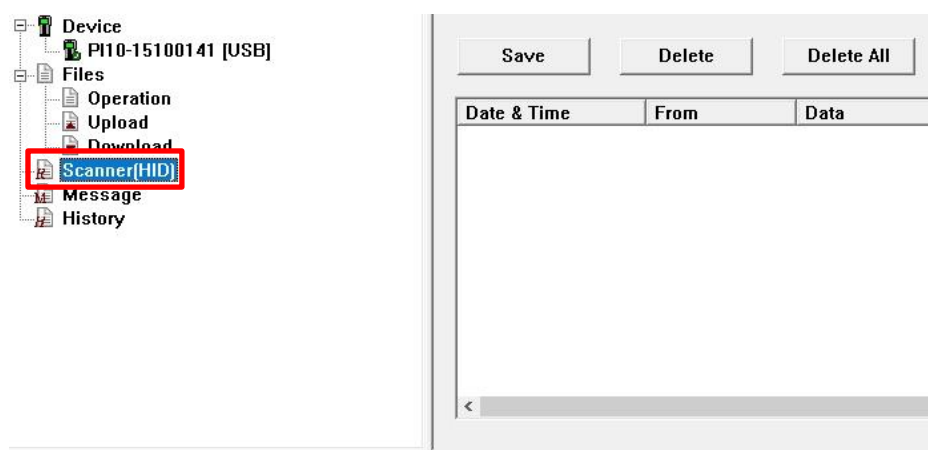
2. Choose “**Record to File**” and click “**OK**”



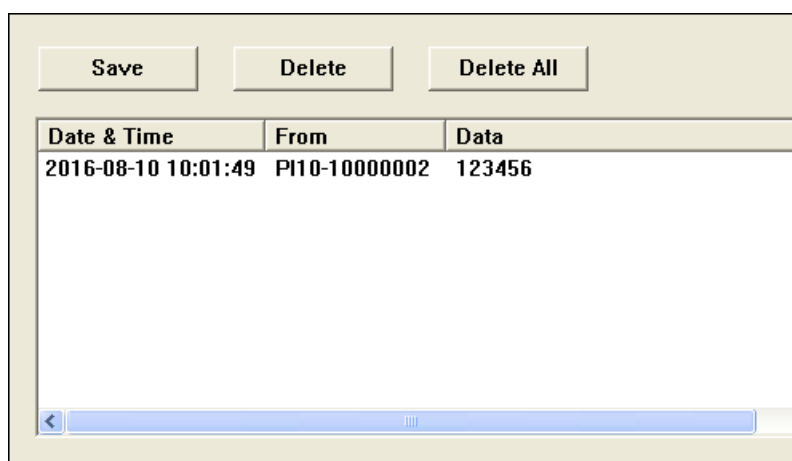
**As Keyboard Input:** Data will send to location from cursor.

**Record to File:** Data will send to Everlink to progress.

3. Click Scanner(HID) in setting pane.



4. Click “**Save**” button to save data. “**Delete**” button can delete a single data you select. “**Delete All**” can remove all data.



## 4.2. Message

Everlink can send or receive messages from PI Series or ControlCenter.

- PI Series can press “Fn”+ “^” key to enter message menu.



- ControlCenter has the similar design as Everlink.

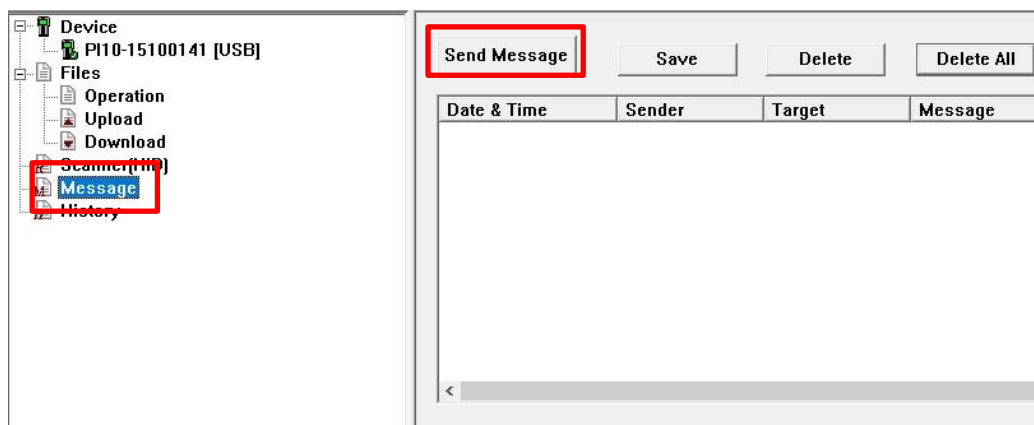
For more information, please refer to PI Series manual or ControCenter manual.

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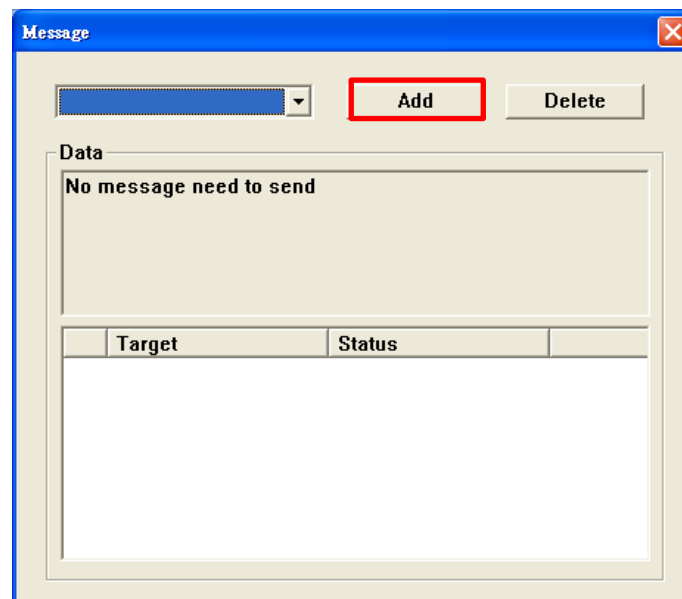
### *Send message to terminal*

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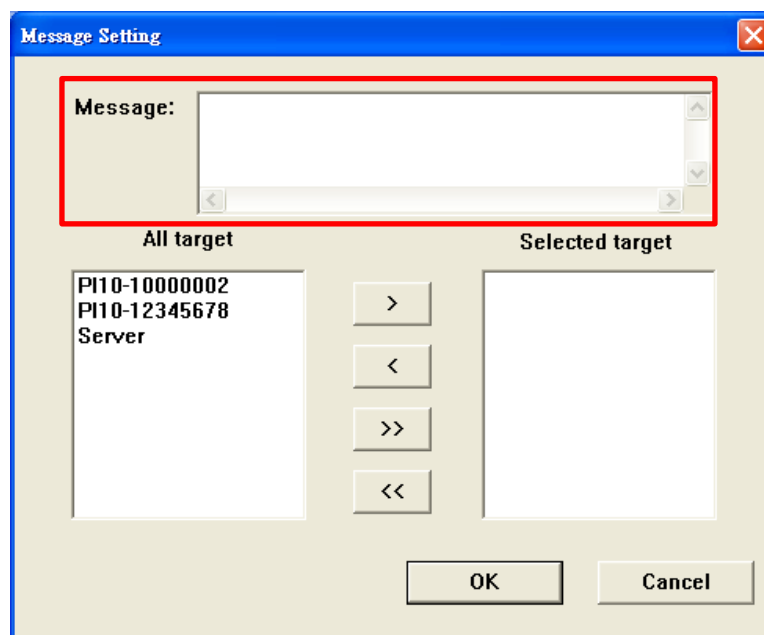
1. Click Message in setting pane and click “**Send Message**” button.



- Click “**Add**” button to add a new message.

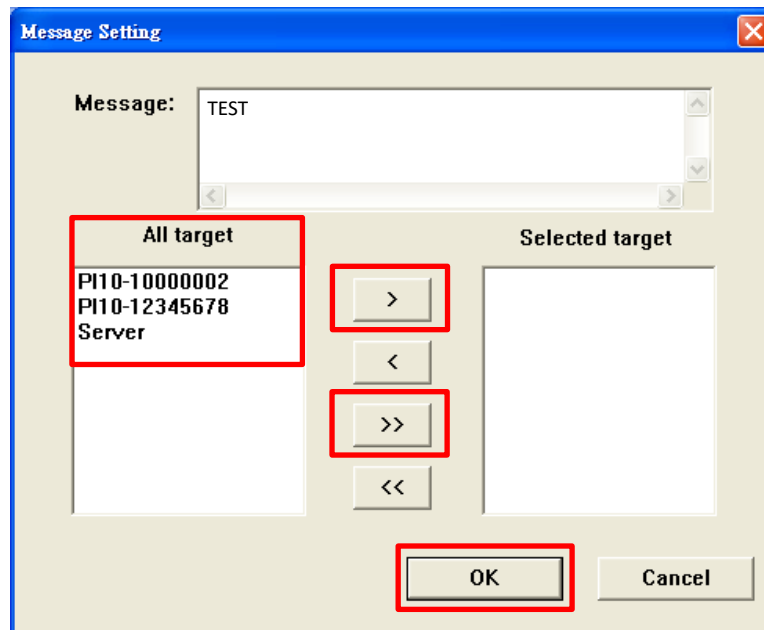


- Enter message in Message box.

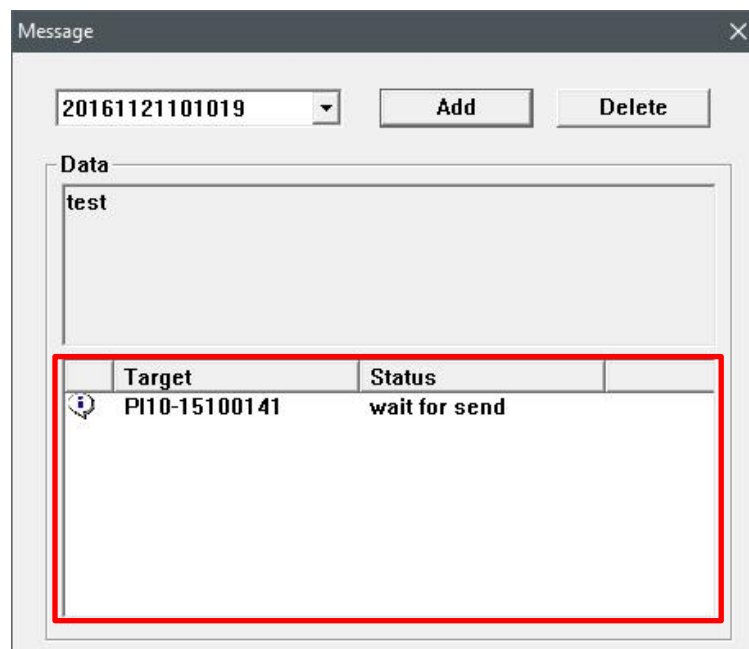


**Note** Everlink will send message every 70 seconds. If Message failed over 3 times. It will stop sending. Each message maximum is 100 bytes

4. Select target in the left under “All target”. Click “>” and “>>” to move item to the right under “Selected target”. Click “OK” button to send message.



5. If target device is online, message will send immediately. Otherwise, unsend message status will show as below.



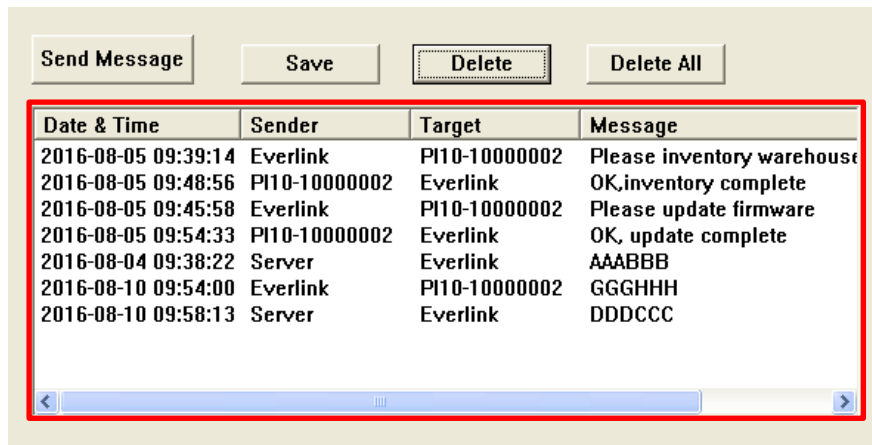
**Note:** Switch combo box and click “Delete” button can cancel unsend message.

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### Message Record

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Message records display as below. **“Save”** button can save all the history you sent. **“Delete”** and **“Delete All”** button can remove the message record.



The screenshot shows a web interface for managing message records. At the top, there are four buttons: "Send Message", "Save", "Delete", and "Delete All". Below these buttons is a table with four columns: "Date & Time", "Sender", "Target", and "Message". The table contains seven rows of data. The "Delete" button is highlighted with a red border. Below the table is a horizontal scrollbar.

Date & Time	Sender	Target	Message
2016-08-05 09:39:14	Everlink	PI10-10000002	Please inventory warehouse
2016-08-05 09:48:56	PI10-10000002	Everlink	OK,inventory complete
2016-08-05 09:45:58	Everlink	PI10-10000002	Please update firmware
2016-08-05 09:54:33	PI10-10000002	Everlink	OK, update complete
2016-08-04 09:38:22	Server	Everlink	AAABBB
2016-08-10 09:54:00	Everlink	PI10-10000002	GGGHHH
2016-08-10 09:58:13	Server	Everlink	DDDDCC



## 4.3. History

### Searching History Data

1. Click **"History"** in setting pane to manage history data.

The screenshot shows the 'History' settings pane. On the left, a tree view lists 'Device', 'Files', 'Operation', 'Upload', 'Download', 'Scanner(HID)', 'Message', and 'History'. 'History' is selected and highlighted with a red box. On the right, the 'History Type' section has 'All' selected. The 'History Level' section has 'Errors', 'Warnings', and 'Informations' all checked. The 'History Date' section has 'Start' and 'to' dates set to 2016/11/21. At the bottom are 'Search', 'Save to file', and 'Clear' buttons.

2. Select Type, Level and Date, then click **"Search"** button. Status pane will display as your setting. **"Save to file"** button will save data which is display in status pane. **"Clear"** button will clean all information.

	Date & Time	Device/Server	Description
?	2016-08-23 10:03:24	Device	PC connecting...
?	2016-08-23 10:03:25	Device	Device PI10-10000002 connection
?	2016-08-23 10:03:38	Device	[2016-08-23 10:10:03] PI10-10000002 scan data : 4901991570014
?	2016-08-23 10:06:31	Device	[2016-08-23 10:12:55] PI10-10000002 scan data : 4901991570014
?	2016-08-23 10:06:42	Device	[2016-08-23 10:13:06] PI10-10000002 scan data : 4901991570014
?	2016-08-23 10:06:48	Device	[2016-08-23 10:13:12] PI10-10000002 scan data : 4901991570014
?	2016-08-23 10:09:45	Device	PC disconnect all device