

SP-601H

User's Manual

Edition 1.0

2008/06/20



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Packing List:

Hardware:

SP-601H PCI Capture Card x 1

Cable kit:

D-SUB 25 Cable x 1 (Optional)



16 Channel video inputs Cable x 1



16 Channel audio inputs Cable x 1 (Optional)



EMI (optional)

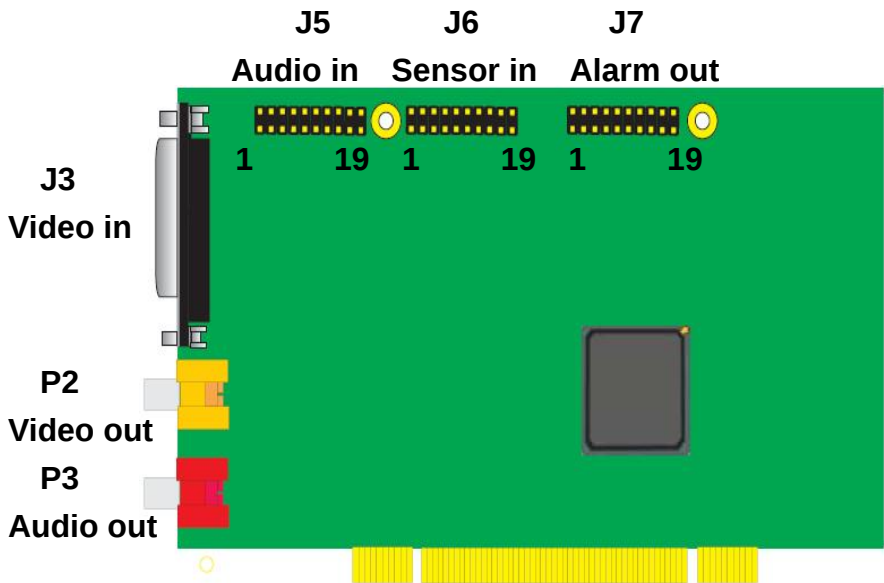
CD Content:

Drivers & User's Manual

1.0 <Product Specification>

General Specification	
Form Factor	PCI Capture Card
Video Decode Chipset	Softlogic solo6010-16
Accessories	1 x 16 Channel video inputs Cable 1 x 16 Channel audio inputs Cable (optional) 1 x 20-pin header to D-SUB 25 Cable (optional)
Features	MPEG4 hardware compression Video Capture Card 16 Channel Video & Audio inputs MAX resolution: NTSC at 704*480 PAL at 704*576

1.1 <Component Placement>



1.3 <Connector Reference>

Connector: J5 (16 channel audio Input)

Type: 20-pin (10x2) header(2.54mm) X 1

Pin	Description	Pin	Description
1	Audio Input Ch 9	2	Audio Input Ch 1
3	Audio Input Ch 10	4	Audio Input Ch 2
5	Audio Input Ch 11	6	Audio Input Ch 3
7	Audio Input Ch 12	8	Audio Input Ch 4
9	Audio Input Ch 13	10	Audio Input Ch 5
11	Audio Input Ch 14	12	Audio Input Ch 6
13	Audio Input Ch 15	14	Audio Input Ch 7
15	Audio Input Ch 16	16	Audio Input Ch 8
17	N/C	18	N/C
19	GND	20	GND

Connector: J6 (16 channel Sensor Input)

Type: 20-pin (10x2) header(2.54mm) X 1

Pin	Description	Pin	Description
1	Sensor Input Ch 9	2	Sensor Input Ch 1
3	Sensor Input Ch 10	4	Sensor Input Ch 2
5	Sensor Input Ch 11	6	Sensor Input Ch 3
7	Sensor Input Ch 12	8	Sensor Input Ch 4
9	Sensor Input Ch 13	10	Sensor Input Ch 5
11	Sensor Input Ch 14	12	Sensor Input Ch 6
13	Sensor Input Ch 15	14	Sensor Input Ch 7
15	Sensor Input Ch 16	16	Sensor Input Ch 8
17	5V	18	3.3V
19	GND	20	GND

Connector: J7 (4 channel Alarm output)

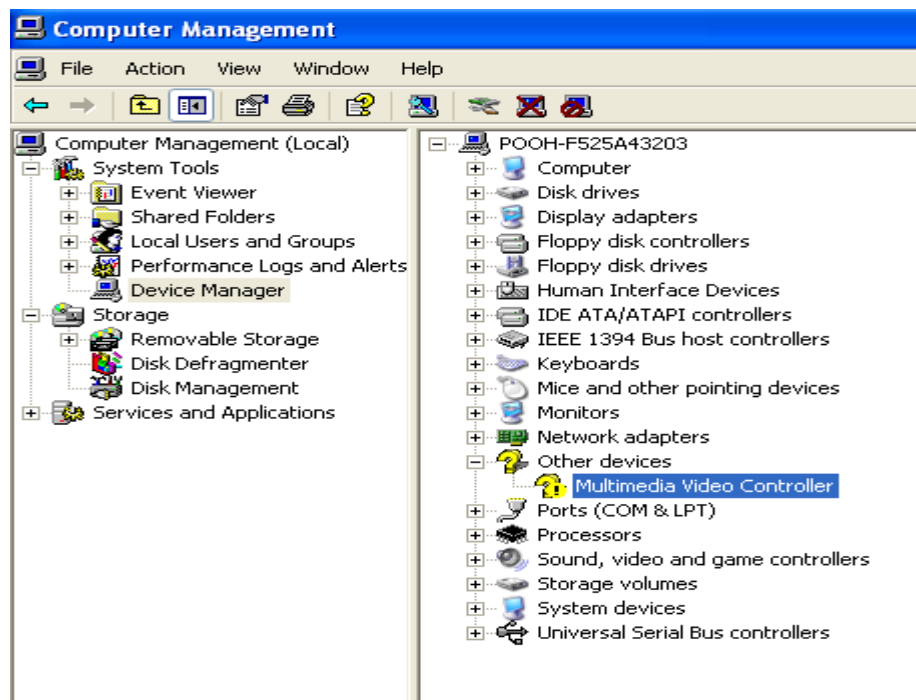
Type: 20-pin (10x2) header(2.54mm) X 1

Pin	Description	Pin	Description
1	N/C	2	N/C
3	N/C	4	N/C
5	N/C	6	N/C
7	Alarm Ch 1	8	N/C
9	Alarm Ch 2	10	N/C
11	Alarm Ch 3	12	N/C
13	Alarm Ch 4	14	N/C
15	N/C	16	N/C
17	5V	18	3.3V
19	GND	20	GND

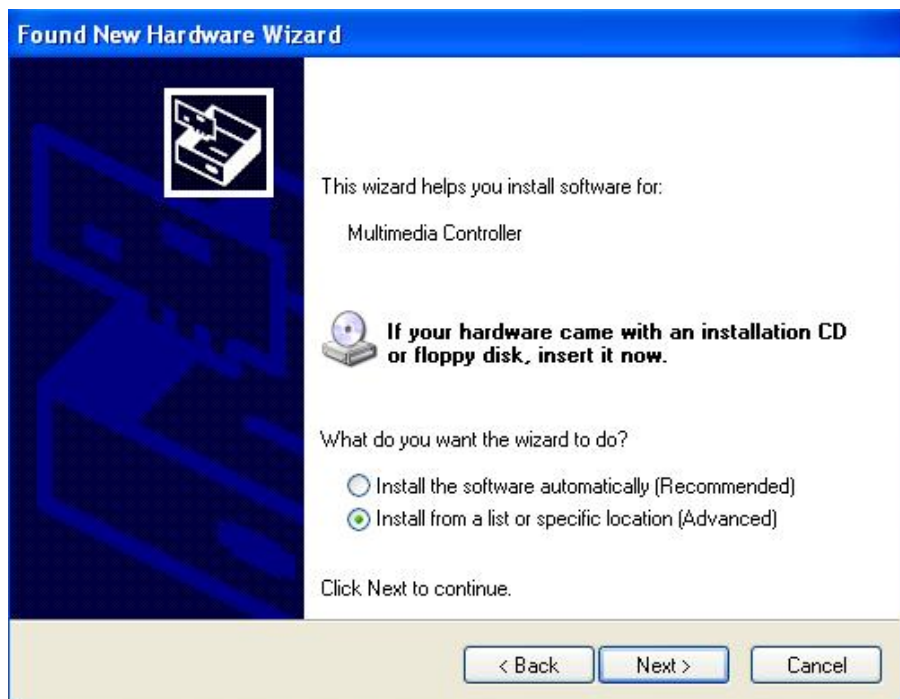
1.4 <Driver Setting>

1. Please choose **Device Manager**

then you can see **other devices**



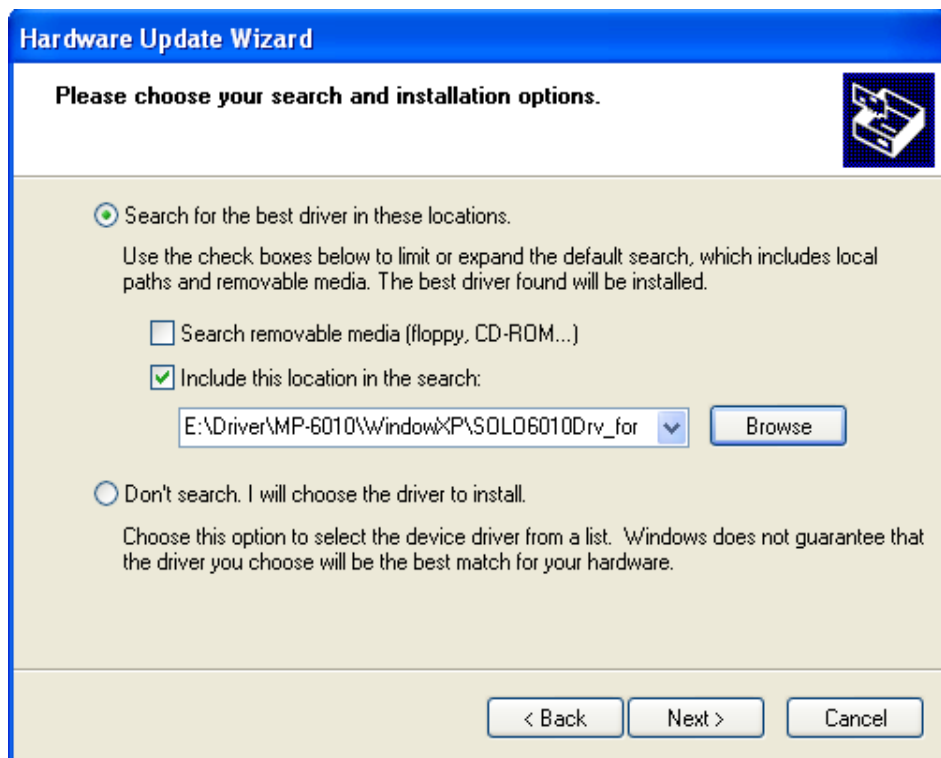
2. Please choose **Multimedia Controller** then press **advanced**



4. Please select file location

E:\Driver\SP-601H\WindowXP

\SOLO6010Drv_forWinXP_DDK_VS2003



The screenshot shows a Windows-style dialog box titled "Hardware Update Wizard". The title bar is blue with white text. Below the title bar, the main area has a white background. At the top left of this area, it says "Please choose your search and installation options." in bold. To the right of this text is a small icon of a computer with a question mark. Below this, there are two radio button options. The first option is selected and is labeled "Search for the best driver in these locations." Below this option is a paragraph of text: "Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed." Below this paragraph are two checkboxes. The first checkbox is labeled "Search removable media (floppy, CD-ROM...)" and is unchecked. The second checkbox is labeled "Include this location in the search:" and is checked. Below the second checkbox is a text box containing the path "E:\Driver\MP-6010\WindowXP\SOLO6010Drv_for" and a dropdown arrow. To the right of the text box is a "Browse" button. Below the radio button options, there is a second radio button option labeled "Don't search. I will choose the driver to install." Below this option is a paragraph of text: "Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware." At the bottom of the dialog box, there are three buttons: "< Back", "Next >", and "Cancel".

Hardware Update Wizard

Please choose your search and installation options.

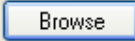
☒ Search for the best driver in these locations.

Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.

☐ Search removable media (floppy, CD-ROM...)

☒ Include this location in the search:

E:\Driver\MP-6010\WindowXP\SOLO6010Drv_for 

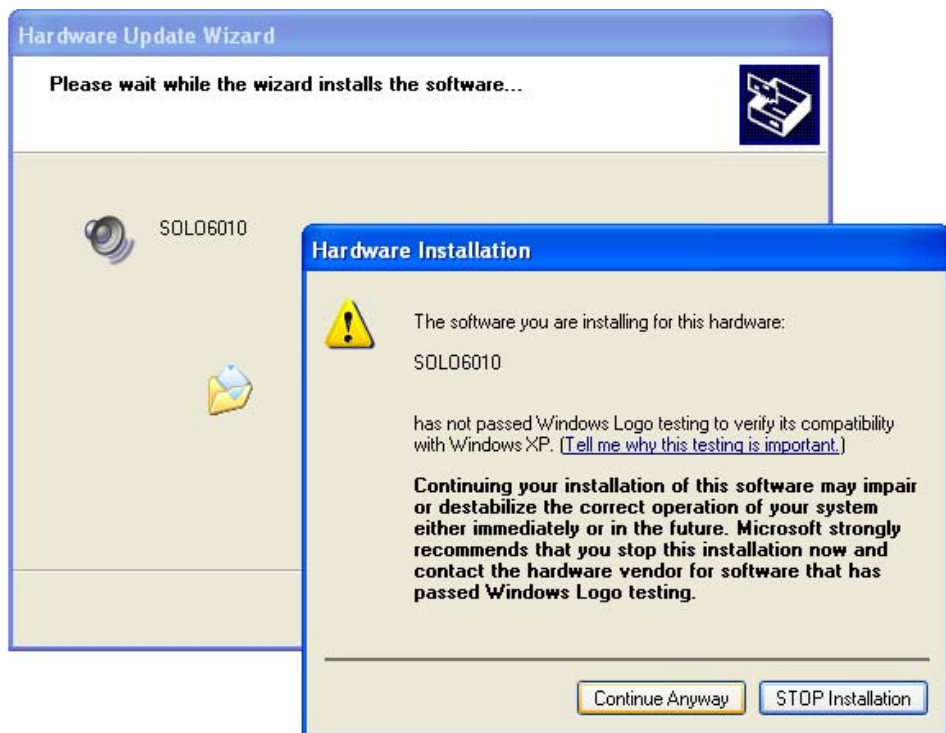


☐ Don't search. I will choose the driver to install.

Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.

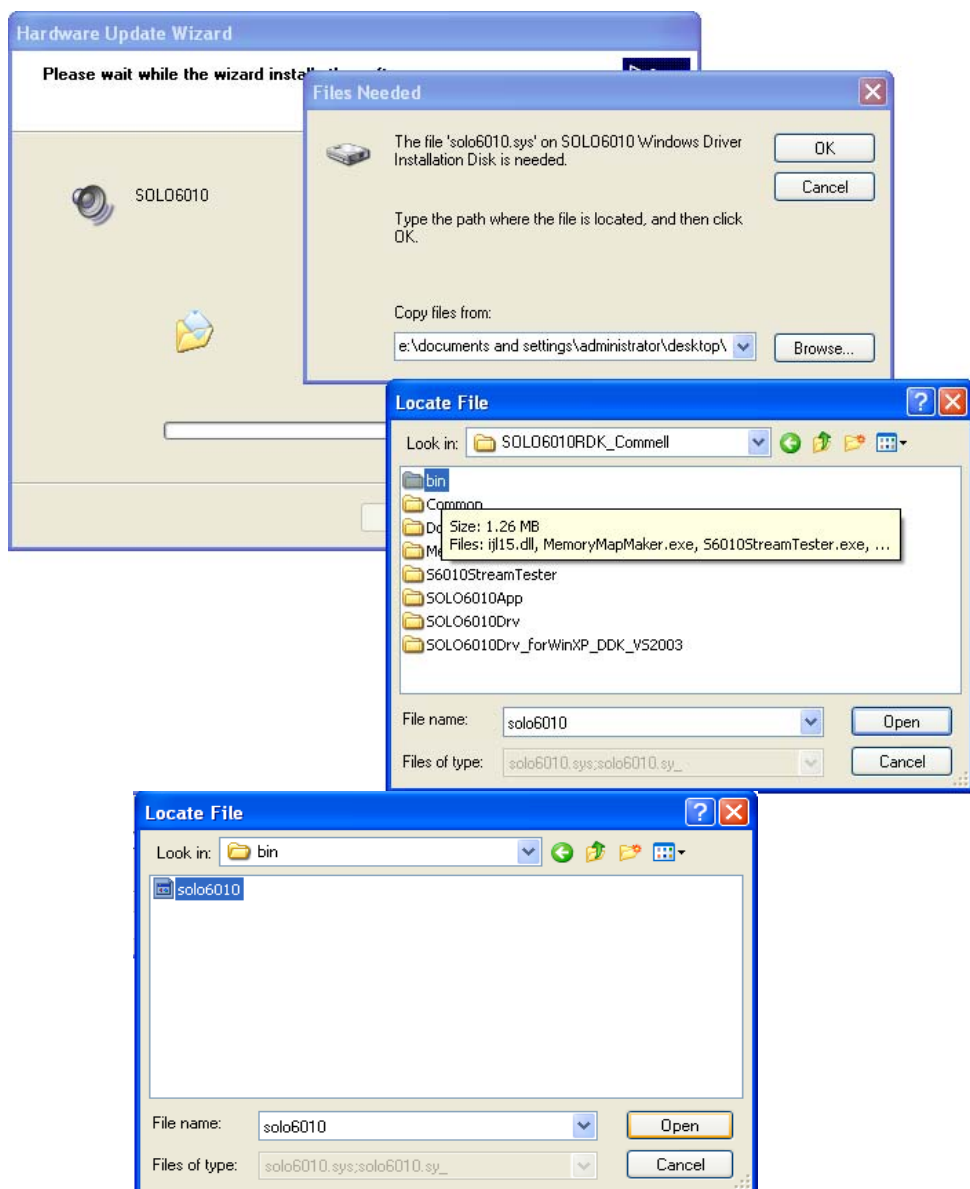
< Back Next > Cancel

5. Please press **continue anyway**

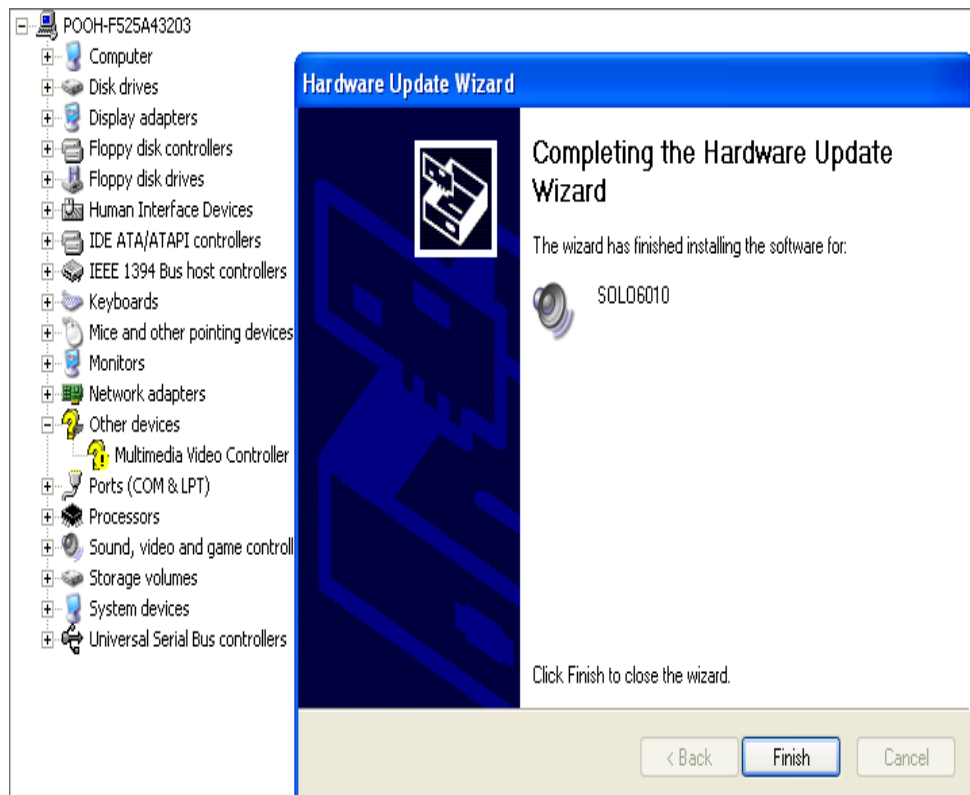


6. Please select file location

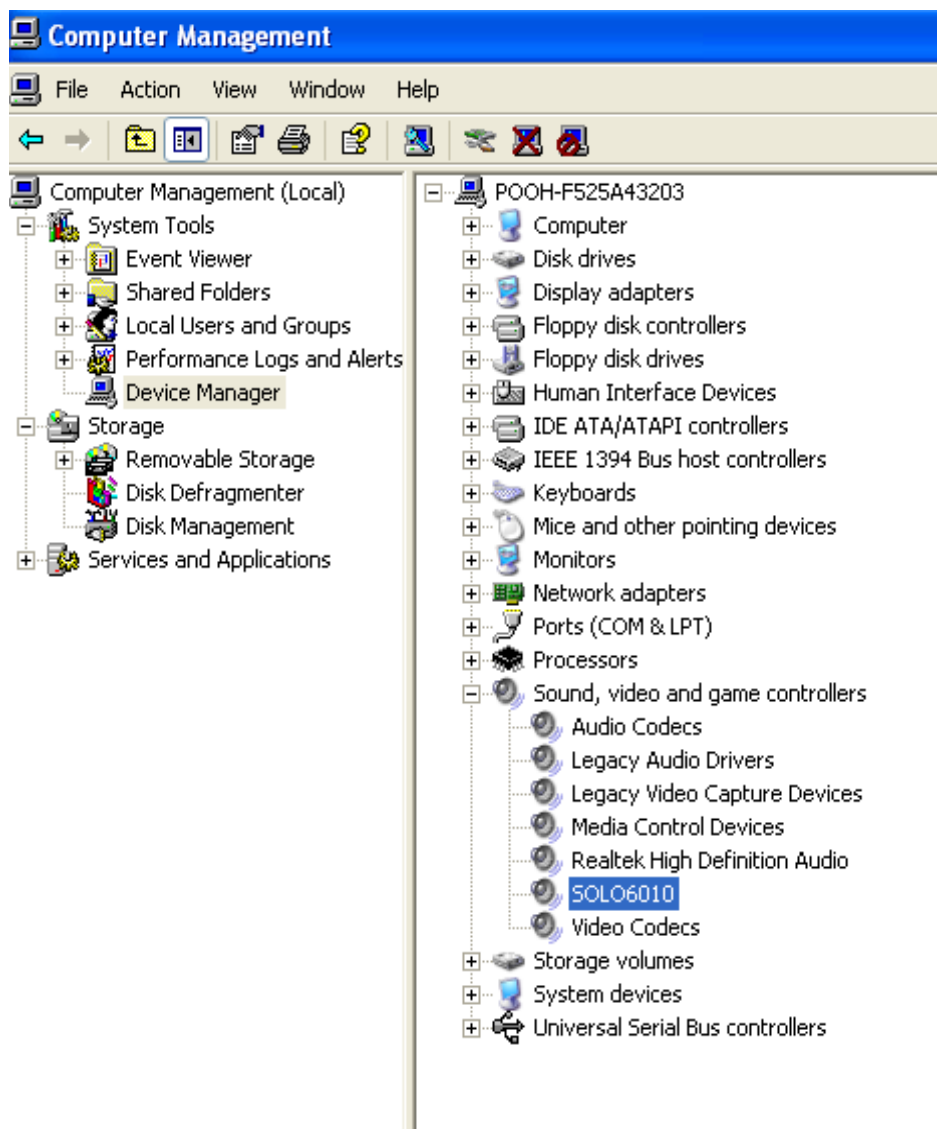
E:\Driver\SP-601H\WindowXP\bin\solo6010.sys



7. Press Finish



8. Driver install succeed

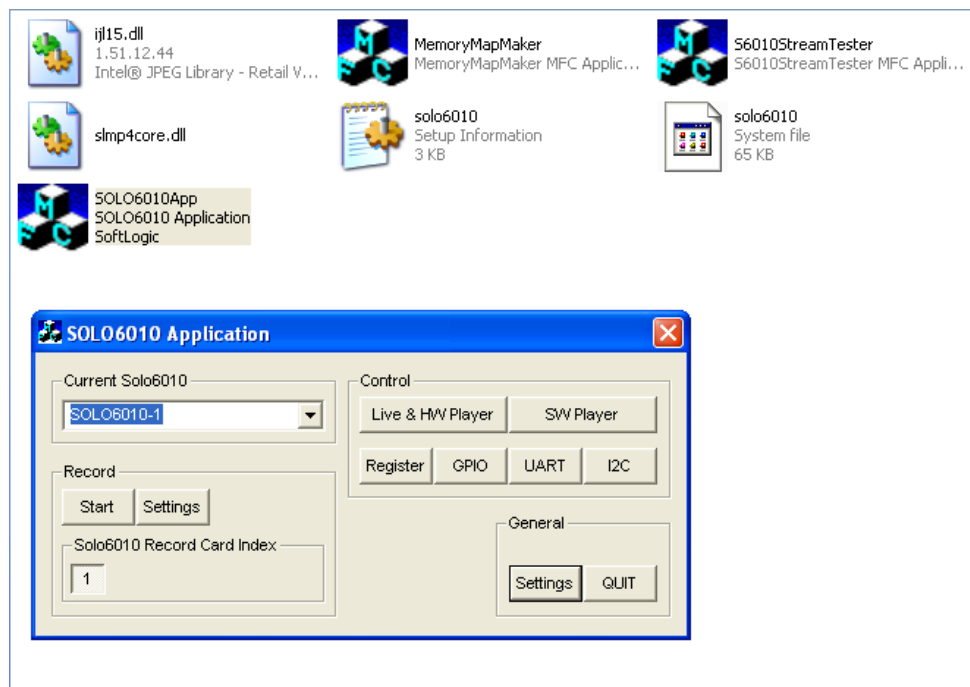


1.5 <Application Setting & Functions>

1. Please select SDK location

E:\Driver\MP-6010\WindowXP\bin

then press SOLO6010App



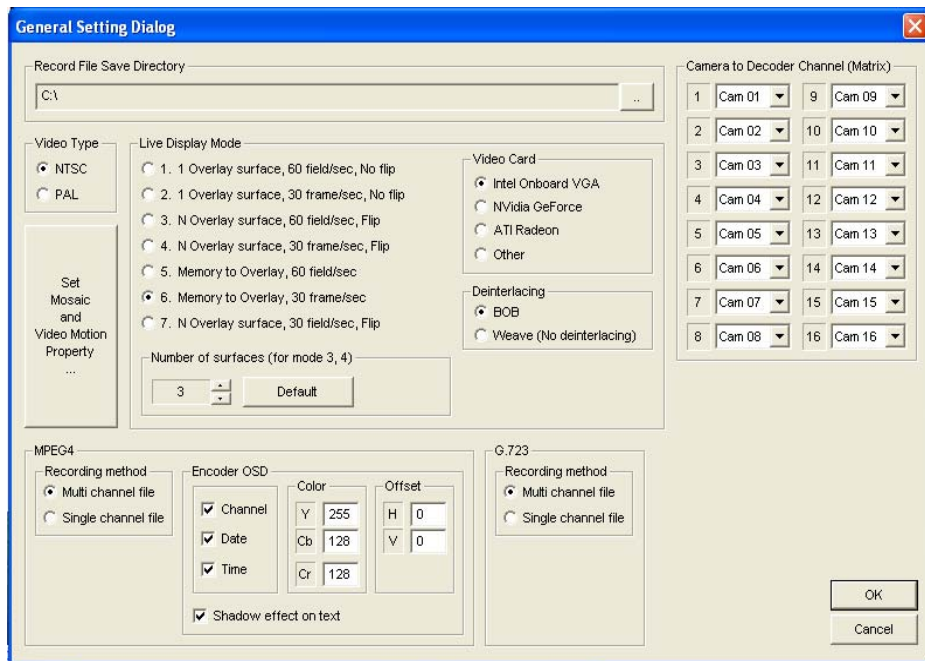
2. Press General Setting

Live Display Mode select

5. Memory to Overlay , 60 field/sec or

6. Memory to Overlay , 30 frame/sec

VGA Card select Intel Onboard VGA



3.Main Function

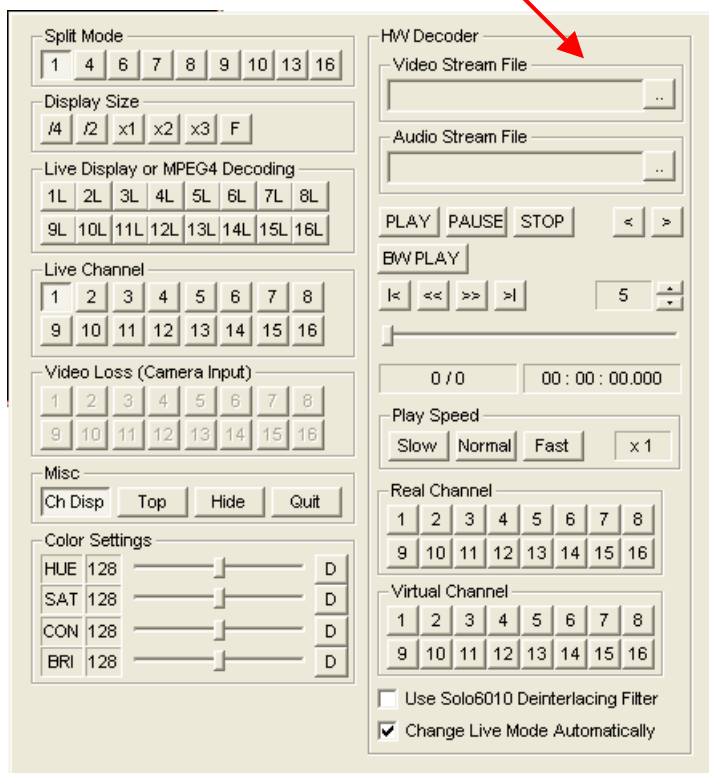
1. Live & HW player

The live display and hardware player can be tested using this function

Load file

video → xxx.MR4

audio → xxx.RG7

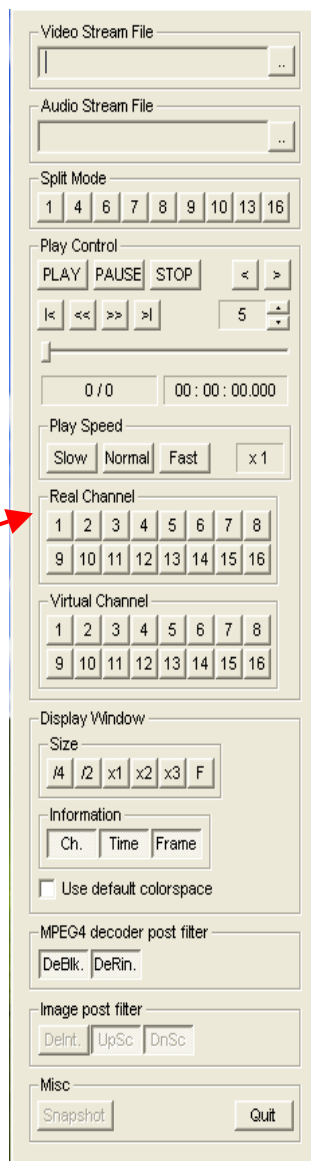


2. SW player

The recorded MPEG4 file can be played back using this function

Select audio channel

The audio played back only one channel



Record setting

FPS → 60 FOR test

Video channel

audio channel

Record Setting Dialog

Video
☒ Real Channel ☐ Virtual Channel

MPEG4

	Quality	GOP	Img. Size	FPS	I.B.P.	Bitrate	CBR Buffer
All		0					
1	3	15	704x240 Field	60		VBR	5 sec
2	3	15	704x240 Field	60		VBR	5 sec
3	3	15	704x240 Field	60		VBR	5 sec
4	3	15	704x240 Field	60		VBR	5 sec
5	3	15	704x240 Field	60		VBR	5 sec
6	3	15	704x240 Field	60		VBR	5 sec
7	3	15	704x240 Field	60		VBR	5 sec
8	3	15	704x240 Field	60		VBR	5 sec
9	3	15	704x240 Field	60		VBR	5 sec
10	3	15	704x240 Field	60		VBR	5 sec
11	3	15	704x240 Field	60		VBR	5 sec
12	3	15	704x240 Field	60		VBR	5 sec
13	3	15	704x240 Field	60		VBR	5 sec
14	3	15	704x240 Field	60		VBR	5 sec
15	3	15	704x240 Field	60		VBR	5 sec
16	3	15	704x240 Field	60		VBR	5 sec

JPEG

Audio (G.723)
 Sampling Rate
 8KHz

Channel

1, 2
 3, 4
 5, 6
 7, 8
 9, 10
 11, 12
 13, 14
 15, 16

OK
 Cancel

Contact Information

Any advice or comment about our products and service, or anything we can help you please don't hesitate to contact with us. We will do our best to support you for your products, projects and business.

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