

Milestone™ XProtect® Integration

Introduction

This guide explains how to integrate IX|IXG Series stations with Milestone's™ XProtect® Management Client. The integration allows audio and video from the stations to be recorded on XProtect.

These instructions assume that the IX|IXG Series stations have already been programmed using IXG Support Tool, and that a copy of the system's configuration is available.

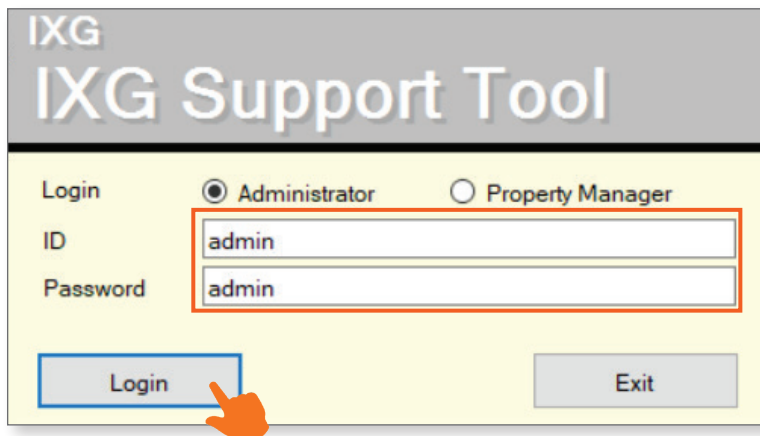
IXG Support Tool can be downloaded from here: <https://www.aiphone.com/IXG-SupportTool>

See this link for instructions on exporting and importing a configuration from another PC: <https://www.aiphone.com/ixg-export-import>

For more programming instructions, see the IXG Series Quick Start guide: <https://www.aiphone.com/IXG-Series-QuickStartGuide>

IXG Support Tool Settings

Open IXG Support Tool and log in as an administrator. If this is the first time that IXG Support Tool is being opened on the PC, the credentials will be **admin** and **admin**. Follow the prompts to change the password, and record that for future use. The login ID will still be **admin**.



Navigate to **Station Information**, **ID / Password** on the left menu. For each station that will stream video to XProtect, provide a **ONVIF ID**, **ONVIF Password**, **RTSP ID**, and **RTSP Password**. These can be any alphanumeric combination that is desired. Record these for future steps, and click **Save**.

Unit Number	Station Name	Station Information							
		ID / Password							
		ID(Administrator)	Password(Admin)	User ID	User Password	ONVIF ID	ONVIF Password	RTSP ID	RTSP Password
001	Video Door Station1	milestone	*****			aiphone	*****	aiphone	*****
002	Video Door Station1	milestone	*****			aiphone	*****	aiphone	*****
003	Master Station1	milestone	*****			aiphone	*****	aiphone	*****

IXG Support Tool Settings *(continued)*

Navigate to **Network Settings**, IP Address on the left menu. Record the IP Address for each station that will be integrated with XProtect for future steps.

Unit Number	Station Name	Network Settings											
		IP Address											
		Hostname	IP Version	Static / DHCP	IPv4 Address								
					IP Address				Subnet Mask				
					1	2	3	4	1	2	3	4	
001	Video Door Station1		IPv4	Static	192	168	1	6	255	255	255	0	
002	Video Door Station1		IPv4	Static	192	168	1	30	255	255	255	0	

Navigate to **Connection(S)**, *Station Search* on the top menu. Click **Cancel** to end the search after a few moments. If the stations show up on the search, make note of their firmware versions.

Station Search						
Search results within the local network.						
Station List						
Building Nu	Unit Number	Station Name	Station Type	IP Address	MAC Address	Firmware
01	002	Master Station1	IX-MV7-*	192.168.1.5	00:0B:AA:30:1E:95	8.00
01	003	Video Door Station1	IX-EA,IX-EAU	192.168.1.7	00:0B:AA:2A:46:AF	8.80



The station search will only work if the programming PC is connected to the same network switch as the other stations. If it does not, the firmware version only affects one setting later on, which will be noted.

IXG Support Tool Settings *(continued)*

Navigate to **Connection(S)**, *Upload Settings* on the top menu. Click **Select** to highlight all stations in the system, then click **Settings** to upload the settings to all stations. It is best practice to upload settings to stations that did not have ONVIF™ or RTSP credentials set.

Setting File Upload

Select the station(s) to upload the Setting File(s):

Station List					
Select	Building Nu	Unit Number	Station Name	Station Type	Status
<input checked="" type="checkbox"/>	01	001	Video Door Station1	IX-DV,IX-DVF(-*)	-
<input checked="" type="checkbox"/>	01	002	Video Door Station1	IX-EA,IX-EAU	-
<input checked="" type="checkbox"/>	01	003	Master Station1	IX-MV7-*	-
<input checked="" type="checkbox"/>	01	004	Entrance Station1	IXG-DM7(-*)	-
<input checked="" type="checkbox"/>	01	005	Video Door Station1	IX-DVM	-

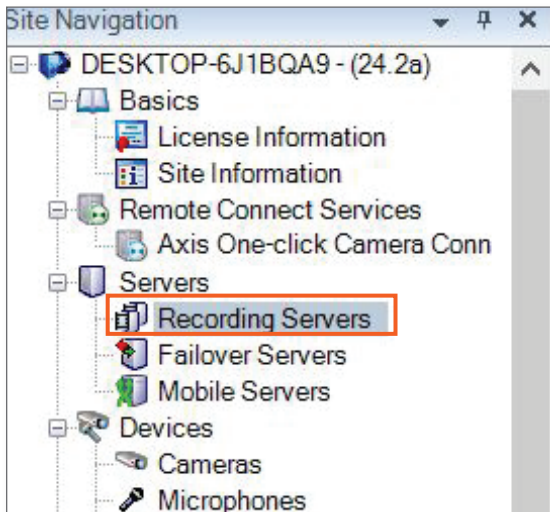
Select Station by Type.

All

Select file type to be uploaded.

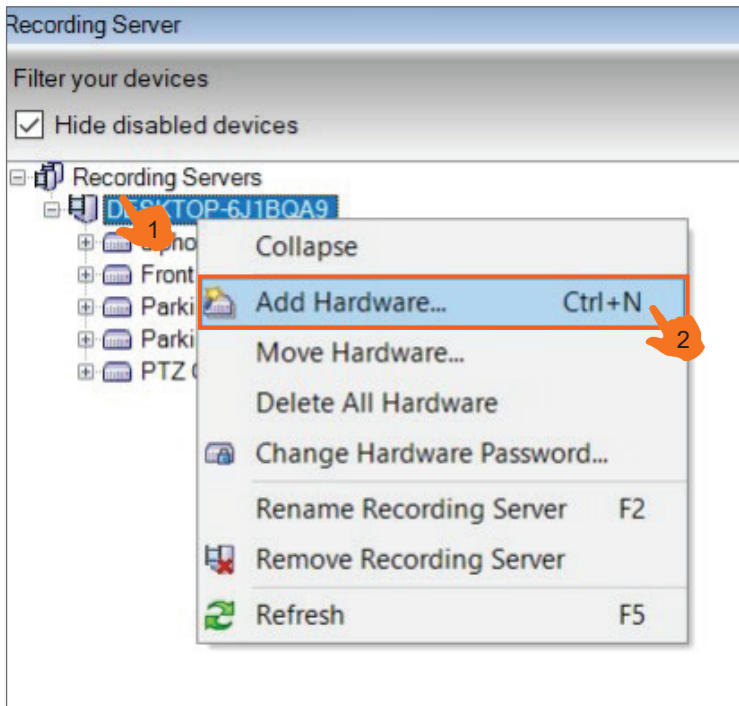
XProtect Management Client Settings

Open XProtect Management Client. Navigate to **Servers**, *Recording Servers* on the left menu.

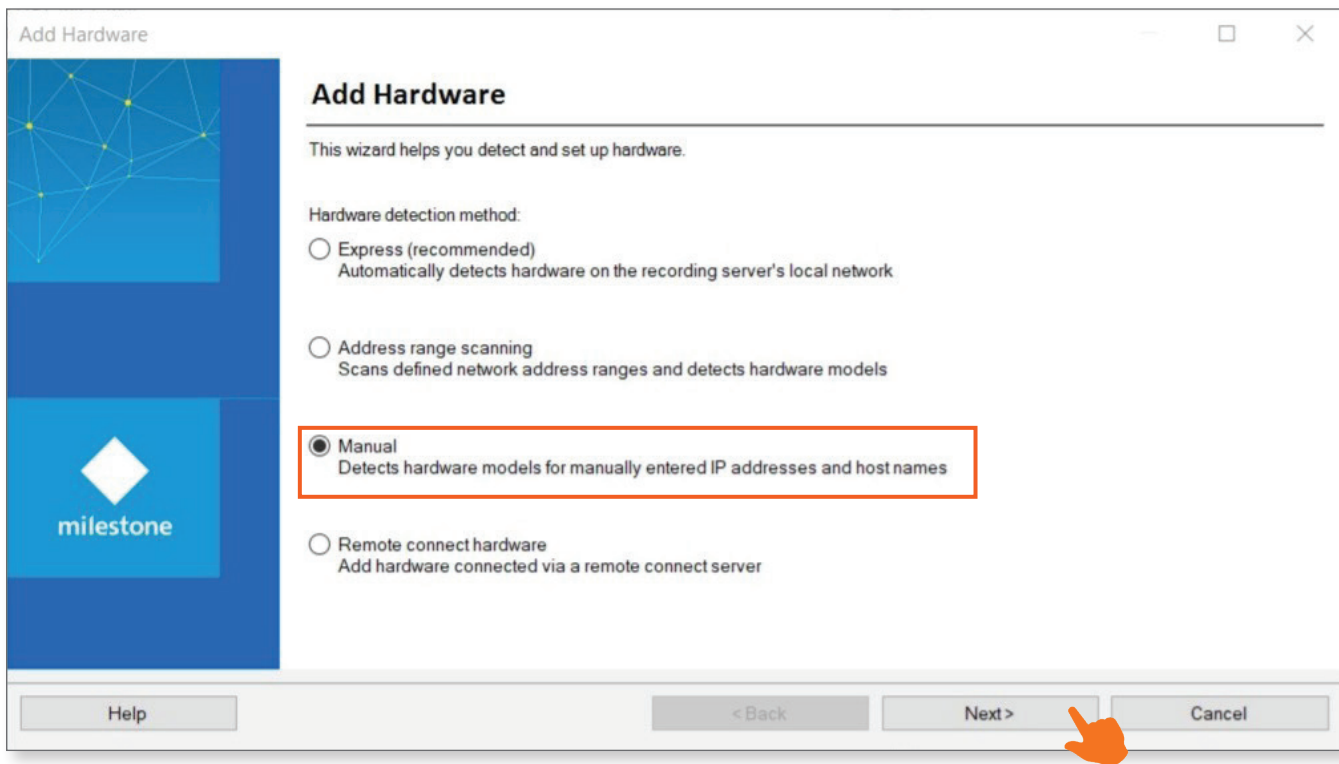


XProtect Management Client Settings (continued)

Right click on the server and click **Add Hardware**.



A new window will open. Select a detection method. These instructions default to the Manual settings, but Express or Address range scanning will also work. Click **Next**.



XProtect Management Client Settings (continued)

On the next screen, click **Add**. Enter a name for the category that will include the IX | IXG Series stations, such as aiphone, and the ONVIF credentials set up in IXG Support Tool. Click **Next**.

Add Hardware

Optionally, specify additional user credentials to connect with if the hardware is not using the factory defaults.

Include	User name	Password
<input checked="" type="checkbox"/>	(Factory default)
<input checked="" type="checkbox"/>	aiphone

Add Remove

Help < Back Next > Cancel

Select **Other** from the list of manufacturers, then **ONVIF Conformant Device**. Click **Next**.

Add Hardware

Select which drivers to use when scanning for hardware.
The more drivers selected, the slower the scanning.

☐ Arecont
☐ AXIS
☐ Bosch
☐ Canon
☐ Hanwha
☐ i-PRO/Panasonic
☐ Milestone
☐ Mobotix
☐ Samsung
☐ Sony
☐ Universal
☒ Other

☐ DigitalBarriersTVIDecoder
☐ Halo Smart Sensor
☐ HikVisionGeneric
☒ ONVIF Conformant Device
☐ TruVision
☐ VPS Driver

Select All Clear All

Help < Back Next > Cancel

XProtect Management Client Settings (continued)

Click **Add** to create an entry for the station. Enter its IP Address under **Address**. The **Port** will vary depending on if the firmware version of the station. For versions 8.80 and below, use port 10080. For version 8.81, use port 80.

Add Hardware

Enter the network address and port of the hardware you want to add.
Optionally, select the hardware model to speed up detection.

Address

Port

Use HTTPS

HTTPS port

Hardware model

192.168.1.30

10080

☐


443

(Auto-detect)

Add

Remove


If the firmware version is higher than 8.81, navigate to www.aiphone.com/ix-ixg-firmware. Locate the station models in question. If the firmware version for the station type is listed as Standard, use port 10080. If it is listed as Enhanced, use port 80.



IX-DV, IX-DVF-* Firmware Ver. 8.00 (Standard)

- Improved network security level and bug fixes.
- Requires IX Support Tool 11.0.0.2 or higher, or IXG Support Tool 6.0.0.2 or higher.
- Released: 10/01/2024.

DOWNLOAD FIRMWARE



IX-DV, IX-DVF-* Firmware Ver. 8.88 (Enhanced)

- Improved network security level and bug fixes.
- Allows calls from VoIP Phones to be answered automatically.
- Requires IX Support Tool 11.0.0.2 or higher, or IXG Support Tool 6.0.0.2 or higher.
- Released: 10/01/2024.

DOWNLOAD FIRMWARE

Firmware version 8.88 does not exist as of the time of this document's writing. It is only shown as an example of a future firmware update beyond 8.81.

If the firmware is out of date, XProtect integration does not require updating the firmware. It is still recommended to keep the stations' firmware up to date. For more instructions, see <https://www.aiphone.com/ixg-firmware-update>.

Repeat these steps for each station and click **Next**.

Help

< Back

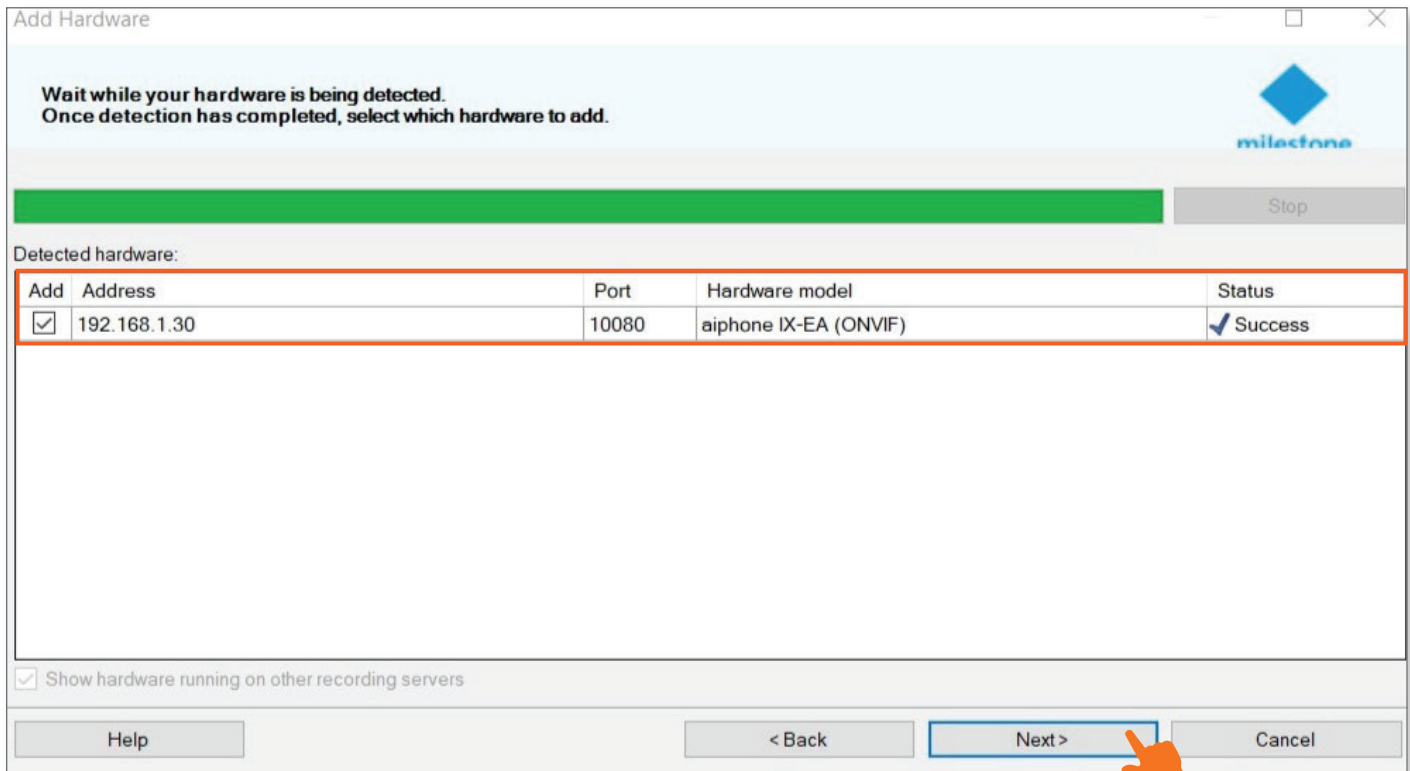
Next >

Cancel

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XProtect Management Client Settings (continued)

XProtect will add the stations. Once they all show Success under the **Status** column, click **Next**, then click **Next** again.



The 'Add Hardware' window displays a progress bar and a 'Stop' button. Below, the 'Detected hardware' table lists one device with a 'Success' status. An orange arrow points to the 'Next >' button.

Wait while your hardware is being detected.
Once detection has completed, select which hardware to add.

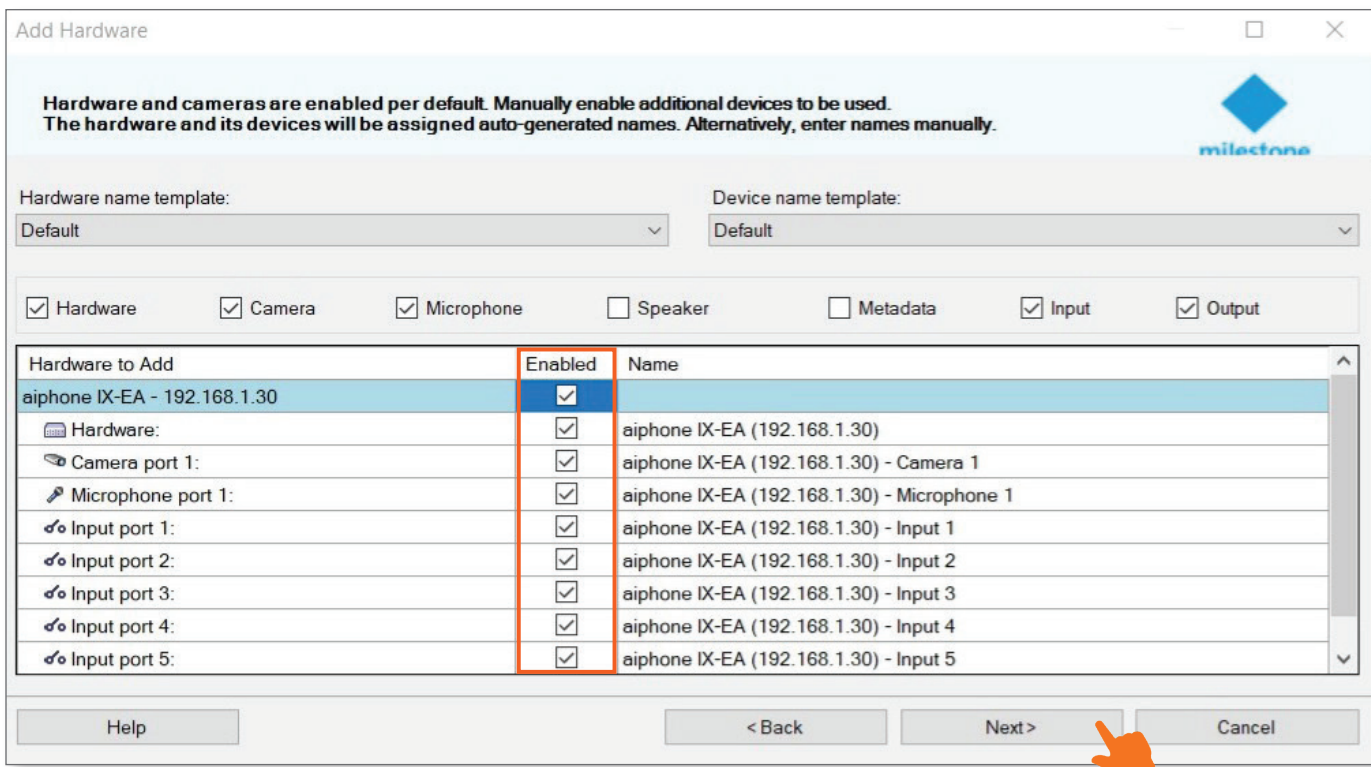
Detected hardware:

Add	Address	Port	Hardware model	Status
<input checked="" type="checkbox"/>	192.168.1.30	10080	aiphone IX-EA (ONVIF)	✓ Success

☒ Show hardware running on other recording servers

Buttons: Help, < Back, Next > (highlighted), Cancel

On the next screen, click the check box next to the station under **Enabled** to highlight all features. If multiple stations are being added at once, use the scrollbar on the right and repeat these steps for each station. Once all features are enabled, click **Next**.



The 'Add Hardware' window shows options to enable hardware, camera, microphone, speaker, metadata, input, and output. Below, a table lists features for the detected hardware, with the 'Enabled' column highlighted by an orange box. An orange arrow points to the 'Next >' button.

Hardware and cameras are enabled per default. Manually enable additional devices to be used.
The hardware and its devices will be assigned auto-generated names. Alternatively, enter names manually.

Hardware name template: Default Device name template: Default

☒ Hardware ☒ Camera ☒ Microphone ☐ Speaker ☐ Metadata ☒ Input ☒ Output

Hardware to Add	Enabled	Name
aiphone IX-EA - 192.168.1.30	<input checked="" type="checkbox"/>	
Hardware:	<input checked="" type="checkbox"/>	aiphone IX-EA (192.168.1.30)
Camera port 1:	<input checked="" type="checkbox"/>	aiphone IX-EA (192.168.1.30) - Camera 1
Microphone port 1:	<input checked="" type="checkbox"/>	aiphone IX-EA (192.168.1.30) - Microphone 1
Input port 1:	<input checked="" type="checkbox"/>	aiphone IX-EA (192.168.1.30) - Input 1
Input port 2:	<input checked="" type="checkbox"/>	aiphone IX-EA (192.168.1.30) - Input 2
Input port 3:	<input checked="" type="checkbox"/>	aiphone IX-EA (192.168.1.30) - Input 3
Input port 4:	<input checked="" type="checkbox"/>	aiphone IX-EA (192.168.1.30) - Input 4
Input port 5:	<input checked="" type="checkbox"/>	aiphone IX-EA (192.168.1.30) - Input 5

Buttons: Help, < Back, Next > (highlighted), Cancel

XProtect Management Client Settings (continued)

Add the stations and their components to the desired groups. If there are no groups, click the folder next to each line on the left to create a group. For IX | IXG Series stations, there will need to be groups for Camera, Microphone, Input, and Output. Speakers and Metadata do not need to be assigned.

Once everything is configured, click **Finish**.

Add Hardware

Select a default group for all device types.
Alternatively, select device group individually for each device.

Default camera group:
Camera Group 1

Default microphone group:
Microphone Group 1

Default speaker group:
No group selected...

Default metadata group:
No group selected...

Default input group:
Input Group 1

Default output group:
Output Group 1

Devices	Add to Group
Cameras	
📷 aiphone IX-EA (192.168.1.30) - Camera 1	Default Group
Microphones	
🎤 aiphone IX-EA (192.168.1.30) - Microphone 1	Default Group
Input	
🔊 aiphone IX-EA (192.168.1.30) - Input 1	Default Group
🔊 aiphone IX-EA (192.168.1.30) - Input 2	Default Group
🔊 aiphone IX-EA (192.168.1.30) - Input 3	Default Group
🔊 aiphone IX-EA (192.168.1.30) - Input 4	Default Group
🔊 aiphone IX-EA (192.168.1.30) - Input 5	Default Group
Outputs	
💡 aiphone IX-EA (192.168.1.30) - Output 1	Default Group

Help < Back Finish Cancel

For more details about the features and information above, please contact Technical Support.

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