Title:	How to Upgrade DS-K1A801/2 & DS-	Versio	v1.0	Date:	11/22/2017
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Product:	DS-K1A801/2 & DS-K1T803/4 series	Page:	1 of 11		
	devices				



Summary

Upgrading DS-K1A801/2 series fingerprint time attendance terminal and DS-K1T803/4 series fingerprint access control terminal.

Discretion

Some devices, DS-K1A802 series fingerprint time attendance terminal and DS-K1T804 series fingerprint access control terminal, which were shipped to customers should be applied for static display, however, some customers upgraded firmware of devices to baseline version directly for products testing or other purposes, causing some problems.

Or some devices, DS-K1A801 series fingerprint time attendance terminal and DS-K1T803 series fingerprint access control terminal, which are V1.0.0 firmware, however, some customers want to upgrade the latest V1.1.0 firmware.

For those, we recommend customer to upgrade devices first before using.

Preparation

- 1. Please download and install iVMS-4200 client and SDKDemo on your computer in advance;
- 2. Make sure your device can be accessed;

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	devices				4	

How to Upgrade DS-K1A801/2 & DS-K1T803/4 Series

Devices

Part1: Main Control Module

For DS-K1A801/DS-K1A802/DS-K1T803/DS-K1T804 series Devices

Step 1:

Please download the iVMS-4200 client for devices from official website link below;

http://www.hikvision.com/en/Tools 84.html

Home>Support>Downloads>	Client Software
Support	Hikvision iV/MS-4200 V1.02.05.02 For Mac (NEW!)
Notice	
Downloads	Hikvision IVMS-4200 v2.6.2.7 (windows)(English) (NEW!)
Tools	Software Name: Hitvision iVMS-4200 v2.6.2.7 (Windows)(English) (NEW!)
SDK	Software Size
Client Software →	Outware Oize.
User Manual	Software Description:
Brochure	Software Version: v2.6.2.7 IVMS-4200 is a versatile video management software for the DVRs. NVRs. IP cameras encoders decoders etc. It provides multiple
Regional Materials	functionalities, including real-time live view, video recording, remote search and playback, file backup, etc., for the connected devices to
Firmware	meet the needs of monitoring task. With the flexible distributed structure and easy-to-use operations, the client software is widely applied
Knowledge Base	to the surveillance projects of medium or small scale.
FAQ	Microsoft Windows 7/Windows 8.1/Windows 10 (32-bit or 64-bit),
	Microsoft Windows XP SP3 (32-bit),
White Papers	Microsoft Windows 2008 R2/Windows Server 2012 (64-bit)

Step 2:

Add device to iVMS-4200 as the following picture;

E Control Panel Devic	e Management			
Device Group				
Device Type	Device for Management (0)			
📾 Hikvision Device	🕂 Add 🗹 Modify 🞽 Delete 🏾	Pamoto Configuration 👋 O	P Codo 🖉 Activato	
+ Add New Device Type	Device Type Nicknam		Add	×
	Adding M	ode:		
	 IP/Dom 	nain 💿 IP Segment	O Hik-Connect D O EHome	 Serial Port
	O IP Serv	er O HIDDNS	 Batch Import 	
	Add Off	fline Device		
		Nickname:	access control terminal	
		Address:	192.168.1.199	
		Port	8000	
		User Name:	admin	
		Password:	••••••	
	Online Device (31)	Export to Group	p	
	Add to Client	Set the device nam connected to the d	ne as the group name and add all the chanr levice to the group.	iels
Lileining Davios: Encoding Davios/Door	102 168 1 100 DS K			
Station/Decoder/Storage Server/Indoor Station/Master Station/Security Control Panel/Access Controller	192.168.1.67 DS-K		C	Add Cancel

Title:	How to Upgrade DS-K1A801/2 & DS-	Version:	v1.0	Date: 11/22/2017]
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	devices					



Step 3:

Select your device and click **Remote Configuration**, **System → System Maintenance**;

File System View Tool Help		💩 iVMS-4200		admin 😯	20
Control Panel 🛃 Device I	Management				
ER Device Group					
Device Type	Device for Management (1)				
📾 Hikvision Device	🕂 Add 🗹 Modify 🗙 Delete 🔅	Remote Configuration 🎇 QR Code 🔮 Activate 🛛 🔤 Device Status		Filter	
+ Add New Device Type	Device Type Nickname Co	nnectio Network Paramet Device Serial No.	Security	Net Status	Refresh
	Access Co terminal TC	P/IP 10.7.163.209:8000 DS-K1T804EF20170911V010100EN811810390	Weak	0	Ð
		Remote Configuration	_	_	×
Hikvision Device: Encoding Device/Door Station/Decoder/Storage Server/Indoor Station/Nates Station/Security Control Panel/Access Controller	 ♥ System ♥ Device Information ♥ General ♥ Time ♥ System Maintenance ♥ User ♥ Security ♥ Network ♥ Alarm ♥ Other ♥ Operation ♥ Status 	System Maintenance System Management Reboot Restore Default Settings Restore All Import Configuration File Export Configuration File Export Configuration File Select Type: Controller Upgrade Select File:	ograde		

Open your upgrade file;

→ → ↓ ≪ 指纹 → ACS_03_EN_G	M_V1.1.0_1 👻 🗲	▶ 搜索 ACS_03_EN_GM_V	/1.1.0 🔎		Security	Net Status
组织 ▼ 新建文件夹		≣ ▼ [10100	EN811810390	Weak	0
★ 收藏夹 ▲ 名称	^	▼ 修改日期	类型			
🚺 下载 📄 digicap.	dav	2017/9/11 12:28	DAV 文件			
 ■ 無周 ■ 最近访问的位置 ■ 席 ■ 回片 ● 文档 ● 文档 ◆ 音乐 文件名(N): digicap.4 	m đav –	Upgrade File (*.*) 打开(O)				
 Operation Status 	Select File:			Upgrade		
	Progress			1		

Click Upgrade;

	Remote Configuration
🖃 🚳 System	System Maintenance
Device Information	System Management
Orine	Reboot
System Maintenance	Restore Default Settings
🎡 User	Restore All
🎡 Security	Import Configuration File
🖭 🚳 Network	Export Configuration File
🖭 🚳 Alarm	Remote Upgrade
🖭 🚳 Other	Select Type: Controller Upgrade
🖭 🚷 Operation	
🕑 🌏 Status	Select File: [/109 门禁、报警、对讲/Access Control/经 ···· Upgrade
	Progress:

Title:	How to Upgrade DS-K1A801/2 & DS- K1T202 (4 Series Devices	Version:	v1.0	Date:	11/22/2017	
Product:	DS-K1A801/2 & DS-K1T803/4 series devices	Page:	4 of 11		<u> </u> ,	HIKVISION

Select Type:	Controller Upgrade >
Select File:	1:/09 门禁、报警、对讲/Access Control经 \cdots Upgrade
Progress	

Step 4:

Upgrading succeed, please click **OK** to reboot your device;

	Remote Configuration	×
- C System	System Maintenance System Management Reboot	
 System Maintenance User Security Network 	Restore Default Settings Restore All Import Configuration File Export Configuration File	
 	Information Upgrading succeeded. Reboot the device to activate the new settings. Continue? OK Cancel	

Part2: Extension Module

For DS-K1T803/DS-K1T804 series Devices

Step 1:

Please download the **SDKDemo** for your devices from official website link below;

http://www.hikvision.com/en/download_83.html

Dominouus	Player SDK (for Linux 32-bit)
Tools	
$SDK \rightarrow$	Milestone&Hikvision Fisheye Dewarping Plugin&Firmware
Client Software	Device Makanda ODI/ //re-Witedows C/L Nill
User Manual	Device Network SDK (for Windows 64-bit)
Brochure	Device Network SDK (for Windows 32-bit)
Regional Materials	
Firmware	Software Name: Device Network SDK (for Windows 32-bit)
Knowledge Base	Software Size: 24.82M
FAQ	Software Description:
White Papers	Version: V5.3.1.35 The device network SDK is developed based on private network communication protocol, and it is designed for the remote connection and
Videos	configuration of embedded DVR, Encoder, IPC and the other IP devices.
Training	The functions supported by the SDK 1. Live view, playback, remote file download, PTZ control, arm/disarm, voice talk, log query, decoding card function, etc.
Security Center	2. Remote upgrade, remotely reboot, remotely shut down, remotely format hard disk, and device configuration (system configuration,
How To	channel configuration, serial port configuration, alarm configuration, users configuration), etc.

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	devices				



Step 2:

Find lib file, and click ClientDemoEn to run SDKdemo;

录 新建文件夹			
称	修改日期	类型	大小
ClientDemoDll	2017/2/20 19:01	文件來	
HCNetSDKCom	2017/2/20 19:01	文件夹	
0 fingerprint.dat	2017/8/4 12:58	DAT文件	1 KB
AudioRender.dll	2016/12/23 16:17	应用程序扩展	143 KB
ClientDemoEn	2016/12/23 16:42	应用程序	9,428 KB
D3DCompiler_43.dll	2016/12/23 16:17	应用程序扩展	2,057 KB
D3DX9_43.dll	2016/12/23 16:17	应用程序扩展	1,952 KB
DemoLocalCfg.json	2017/3/6 19:35	JSON 文件	0 KB
DeviceCfg.json	2017/11/25 17:25	JSON 文件	1 KB
EagleEyeRender.dll	2016/12/23 16:17	应用程序扩展	400 KB
gdiplus.dll	2016/12/23 16:17	应用程序扩展	1,607 KB
GdiPlus.lib	2016/12/23 16:17	LIB 文件	196 KB
HCCore.dll	2016/12/23 16:31	应用程序扩展	1,090 KB
] HCCore.lib	2016/12/23 16:31	LIB 文件	162 KB
HCNetSDK.dll	2016/12/23 16:34	应用程序扩展	646 KB
HCNetSDK.lib	2016/12/23 16:34	LIB 文件	214 KB
HWDecode.dll	2016/12/23 16:17	应用程序扩展	2,045 KB
] LocalSensorAdd.dat	2017/3/6 19:35	DAT 文件	0 KB
LocalXml	2016/12/23 16:17	WinRAR ZIP 压缩	1,283 KB
MP_Render.dll	2016/12/23 16:17	应用程序扩展	330 KB
MP_VIE.dll	2016/12/23 16:17	应用程序扩展	3,321 KB
PlayCtrl.dll	2016/12/23 16:17	应用程序扩展	3,607 KB
] PlayCtrl.lib	2016/12/23 16:17	LIB 文件	88 KB
SuperRender.dll	2016/12/23 16:17	应用程序扩展	345 KB
VUVProcess.dll	2016/12/23 16:17	应用程序扩展	415 KB

Add device to **SDKDemo** as the following picture;

🛃 ClientDemo		1 mm em
Version Info build 20161223 HCNetSDK V5.2.6.20 PlayCtrl V7.3.2.71	Config Preview Playback M	lanagement Others Product Re
	Click1	
C	Local Node terminal Device Address 10.5.2.117 Port 8000 Usemame admin Password	
	Get IP of Device on DDNS DDNS Address www.bliddns.com DDNS Device Serial Number E0120110526CCRR403594603 Device Name/Alias (IPserver use device name .hiDDNS use alias) Add Car	Port 80

Step 3:

Click Management \rightarrow Upgrade;

🛃 ClientDemo	a		
Version Info build 20161223 HCNetSDK V5.2.6.20 PlayCtrl V7.3.2.71 Device Tree(Right Click 1	Config Preview Playback Ma VCA Alam Host DVR/NVR/DVS CVR Decc	Time Correction Upgrade Format	Product Related Exit
	Nost Acess Status Plan Setup Iti-card Authenticati Clear Acess Nost User Management Card Management	Reboot Shut Down Query Log Device State Restore Default	Groups SetUp Alarm Input/Output ES485
	Remote Control Card Reader Managem	Complete Restore SMS SetUp	NetCenter Setup hone Mun/Door Permissions Linka
	Pingerprint Managemen Event/Card Linkage Host Acess Setup CardPed Open Enable	oss-Host Anti-Passback Conf Card Num/User Linkage	Fors-Host Anti-Passback Reader
	igger Capture Parameters Set WiegandCfg	AcsSecurity#oduleStatus	Alarn host ability

Title:	How to Upgrade DS-K1A801/2 & DS-	Version:	v1.0	Date:	11/22/2017
	K1T803/4 Series Devices				
Product:	DS-K1A801/2 & DS-K1T803/4 series	Page:	6 of 11		
	devices				



Step 4:

Select ACS upgrade type and set ACS No. as 1;

Version Info build 20161223 HCNetSDK V5.2.6.20 PlayCtrl V7.3.2.71	Config Preview Playback Management Others Product Related
□- Pevice Tree(Right Click t	Remote Update X Network LAN Acs No. 1 Browse Browse FuzzyUpgrade Get upgrade info
	Update

Open your upgrade file;

Remote Update					22
Network LAN	Setup Netwo	upgrade type Aux dev	ACS Keyboard	- -	
Firmware 屁模块V	, ACS_Extending-Modul	e_GM_1.1.0_170818	arar Brow	se	
FuzzyUpgrad	e	Get upgrade inf	7		
打开			-		×
🔾 🗢 🔰 « ACS	 ACS_Extending 	g-Module	- 4	搜索 ACS_Extending	Modul 🔎
组织 ▼ 新建文件夹					
↓ 音乐	▲ 名称	*		修改日期	类型
🖳 计算机	C Extendin	g_Module_Net		2017/8/18 9:28	BIN 文
🏭 本地磁盘 (C:)					
📻 本地磁盘 (E:)					
Ciel (F:) → 新加業 (Ci)	_				
→ 新加卷 (0.)					
● 新加卷 (I:)					
🖵 个人存档文件 (P:					
💷 文件资料共享 🛝	• •				
文	牛名(N): Extending	g_Module_Serial	- A	ll File(*.*)	•
				打开(O)	取消

Click Upgrade;

Remote Update	Remote Update
Network LAN マ Setup Network upgrade type ACS マ ACS No. 1 Aux dev Keyboard マ Firmware [1:109]]建、投催、没计准Access Control设法:计型指数文章 Browse Fuzzy/Upgrade Get upgrade info	Network LAN Setup Network upgrade type ACS Acs No. 1 Aux dev Keyboard Firmware Module CM 1.1.0 1205 IS[Schending, Module Net.brg] FuzzyUpgrade Get upgrade info Status: Device is upgrading, please wait Upgrading
Lpdate	Lipdate Exit

Title:	How to Upgrade DS-K1A801/2 & DS-	Version:	v1.0	Date:	11/22/2017
	K1T803/4 Series Devices				
Product:	DS-K1A801/2 & DS-K1T803/4 series	Page:	7 of 11		
	devices				



Step 5:

On Remote Upgrade interface, please click Exit when you see upgrade successfully;

F	Remote Up	date					23
	Network	LAN Acs No.	Setup Network	upgrade type Aux dev	ACS Keyboard		
	Firmware	I-Module_GM_1.1	1.0_170818\Exter	nding_Module_Ne	t.bin Browse		
	E F	uzzyUpgrade		Get upgrade inf	fo]	
	Status:up	grade successfully,	reboot please				
		Update		Exit			

Click **Management** → **Reboot** to reboot your device;

Version Info	a			-
HCNetSDK V5.2.6.20	Config Preview	w Playback Man	agement Others	Product Related
PlayCtrl V7.3.2.71			Time Correction	
🖃 😳 Device Tree(Right Click f	VCA Alarm Host DVR/N	IVR/DVS CVR Deco	Upgrade	5 VIS
terminal			Format	
			Reboot	
	Host Acess Status	Plan Setup	Shut Down	Grou
	lti-card Authenticati	Clear Acess Host	Query Log	Alarm I
	User Management	Card Management	Device State	I
	Remote Control	Cond Roodon Honogon	Restore Default	NetCor
	Hemote Control	cara nearer managem	Complete Restore	NetCel
	Wireless Net Setup	eport Upload Mode Setu.	SMS SetUp	aone Num/Door F

Warning	ClientDemoEn
Sure to reboot device?	Device is rebooting
确定取消	确定

Title:	How to Upgrade DS-K1A801/2 & DS-	Version:	v1.0	Date:	11/22/2017
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	devices				



Part3: Fingerprint Module

For DS-K1A801/DS-K1A802/DS-K1T803/DS-K1T804 series Devices

Step 1:

Add device to **SDKDemo** as the following picture;

🛃 ClientDemo	
Version Info build 20161223 HCNetSDK V5.2.6.20 PlayCtrl V7.3.2.71	Config Preview Playback Management Others Product Related Exit
PlayCtri V7.3.2.71	Add Device Local Node Device Address 107.163.209 Port 8000 Usemame Idmin Password Feet IP of Device on DDNS Get IP of Device on DDNS Device Serial Number E01201105260CRR403594603 Device Name/Alas (IPserver use device name /hDDNS use alias)
	Add Cancel Activate

Step 2:

Click Management → Upgrade;

ClientDemo				
Version Info build 20161223 HCNetSDK V5.2.6.20 PlayCtrl V7.3.2.71	Config Preview	v Playback Mar	nagement Others	Product Related Exit
Device Tree(Right Click t	VCA Aam Host DVR/N	VR/DVS CVR Decc	Upgrade Format Reboot	\$ VIS
	Host Acess Status	Plan Setup	Shut Down	Groups SetUp
	lti-card Authenticati	Clear Acess Host	Query Log	Alarm Input/Output
	User Management	Card Management	Device State	RS485
	Remote Control	Card Reader Managem	Restore Default Complete Restore	NetCenter Setup
	Wireless Net Setup	eport Upload Mode Setu	SMS SetVp	none Nun/Door Permissions Links;
	'ingerprint Managemen	Event/Card Linkage	oss-Host Anti-Passback Conf	ross-Host Anti-Passback Reader
	Host Acess Setup	CardPwd Open Enable	Card Num/User Linkage	Face Detection
	igger Capture Paramete	rs Set WiegandCfg	AcsSecurityModuleStatus	Alarm host ability

Step 3:

Select ACS upgrade type and set ACS No. as 9;

Title:	How to Upgrade DS-K1A801/2 & DS- K1T803/4 Series Devices	Version:	v1.0	Date:	11/22/2017
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build 20161223 HCNetSDK V5.2.6.20 PlayCtrl V7.3.2.71 E	Config Preview Playback Management Others VCA Alam Host DVR/NVR/DVS CVR Decode CFG IPC/IPD CFG ITC CFG	Produ ACS
Remote Update	Setup Network upgrade type ACS ACS ACS Acs No. 9 Aux dev Keyboard Cap Browse rade Get upgrade info	2]
	date Exit	s _

Open your upgrade file;

Network	LAN •	Setup No. 9	o Network	upgrade type Aux dev	ACS	•		Pro ACS
Firmware	c: \digicap	,		Get upgrade inf	Brow	se		
<mark>М</mark> 17 म Сос	📕 🕷 ACS	▶ ACS	_DS-K10	02F-OR_GM		/援索 AC	S_DS-K1002F	-OR_G 🔎
组织 ▼ □ 本 □ Ci	新建文件: 地磁盘 (E:) el (F:)	た へ 名	称) DS-K10	02F-OR_AS60	, B_GC0308_CE	修改 RO 201	IEE ▼ :日期 7/9/11 11:44	 一・ ・ ・
□ 新 □ 新 ● 新	加卷 (G:) 加卷 (H:) 加卷 (I:) 人存档文件 (F					_		
🖵 文 🗣 网络	件资料共享(、				111			,
	لا	(件名(N):	DS-K10	02F-OR_AS60	3_GC0308 ▼	All File(*.*		, • 取消

Click Upgrade;

Remote Update
Network LAN V Setup Network upgrade type ACS V Acs No. 9 Aux dev Keyboard V
FuzzyUpgrade Get upgrade Info
Status: Device is upgrading, please wait
Upgrading
Updete Exit

Step 4:

On Remote Upgrade interface, please click Exit when you see upgrade successfully;

Title:	How to Upgrade DS-K1A801/2 & DS-	Version:	v1.0	Date:	11/22/2017]
	K1T803/4 Series Devices					
Product:	DS-K1A801/2 & DS-K1T803/4 series	Page:	10 of 11			LIKV/ISION/
	devices					

emote Update		×
Network LAN Acs No. Firmware D8_GC0308_CDF	Setup Network upgrade type ACS 9 Aux dev Keyboard OM_5000_V1.0.0_Build[20170911].bin Browse	
FuzzyUpgrade	Get upgrade info	
Status:upgrade successfully,	reboot please	
Update	Exit	

Click **Management** → **Reboot** to reboot your device;

🛵 ClientDemo				_
Version Info build 20161223 HCNetSDK V5.2.6.20	Config Preview	w Playback Mar	agement Others	Product Related
PlayCtrl V7.3.2.71			Time Correction	
E Device Tree(Right Click t	VCA Alarm Host DVR/N	IVR/DVS CVR Deco	Upgrade Format	> VIS
			Reboot	
	Host Acess Status	Plan Setup	Shut Down	Grou
	lti-card Authenticati	Clear Acess Host	Query Log	Alarm I
	User Management	Card Management	Device State	1
	Remote Control	Card Reader Managem	Restore Default Complete Restore	NetCer
	Wireless Net Setup	eport Upload Mode Setu	SMS SetUp	none Num/Door H

Warning	ClientDemoEn
Sure to reboot device?	Device is rebooting
确定取消	确定

Title:	How to Upgrade DS-K1A801/2 & DS-	Version:	v1.0	Date:	11/22/2017
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