Title:	How to Upgrade DS-K1A801/2 & DS-	Versio	v1.0	Date:	11/22/2017
	K1T803/4 Series Devices	n:			
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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# 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

Notice Downloads	<ul> <li>Hikvision iVMS-4200 V1.02.05.02 For Mac (NEWI)</li> <li>Hikvision iVMS-4200 v2.6.2.7 (Windows)(English) (NEWI)</li> </ul>
	✓ Hikvision iVMS-4200 v2.6.2.7 (Windows)(English) (NEWI)
Downloads	<ul> <li>Hikvision IVMS-4200 V2.6.2.7 (Windows)(English) (NEW!)</li> </ul>
Tools	Software Name: Hikvision IVMS-4200 v2.6.2.7 (Windows)(English) (NEWI)
SDK	Software Size:
Client Software $\rightarrow$	Suiwale Size.
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. Operating System:
FAQ	Microsoft Windows 7/Windows 8.1/Windows 10 (32-bit or 64-bit),
-	Microsoft Windows XP SP3 (32-bit),

#### Step 2:

Add device to iVMS-4200 as the following picture;

📰 Control Panel 🛃 Devic	e Management			
Device Group				
Device Type	Device for Management (0)			
📾 Hikvision Device	🕂 Add 🗹 Modify 🞽 Delete 🏾	Pamoto Configuration 👋 O		
+ Add New Device Type	Device Type   Nicknam		Add	×
	Adding M	ode:		
	<ul> <li>IP/Dom</li> </ul>	nain 💿 IP Segment	O Hik-Connect D O EHome	<ul> <li>Serial Port</li> </ul>
	O IP Serv	er O HIDDNS	<ul> <li>Batch Import</li> </ul>	
	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		
	+ 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	192.168.1.199 DS-K			
Hikvision Device: Encoding Device/Door 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	<b>Date:</b> 11/22/2017		]
	K1T803/4 Series Devices					
Product:	DS-K1A801/2 & DS-K1T803/4 series	Page:	3 of 11			H
	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	<ul> <li>♥ System</li> <li>♥ Device Information</li> <li>♥ General</li> <li>♥ Time</li> <li>♥ System Maintenance</li> <li>♥ User</li> <li>♥ Security</li> <li>♥ Network</li> <li>♥ Alarm</li> <li>♥ Other</li> <li>♥ Operation</li> <li>♥ Status</li> </ul>	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	*	▼ 修改日期	类型			
🚺 下载 🚺 digicap.	dav	2017/9/11 12:28	DAV 文件			
■ 桌面 ③ 最近均同的位置 ■ 成绩 ■ 同片 ② 文档 → 音乐 文(牛名(N): digicap.4	m Jav •	Upgrade File (*.*) 打开(O) 尾	, ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;			
🕙 🚳 Operation 🗈 🚳 Status	Select File:		<b>_</b>	Upgrade		
	Progress:		_	ן		

Click Upgrade;

	Remote Configuration
🖃 🚳 System	System Maintenance
Device Information General	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-	Version:	v1.0	Date:	11/22/2017	]
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Select Type:	Controller Upgrade V
Contract () pro-	onnonn opgrade
Select File:	i/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 C Device Information C General C Time	System Maintenance System Management Reboot	
<ul> <li>System Maintenance</li> <li>User</li> <li>Security</li> <li>Network</li> </ul>	Restore Default Settings Restore All Import Configuration File Export Configuration File	
<ul> <li></li></ul>	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	
$SDK \to$	Milestone&Hikvision Fisheye Dewarping Plugin&Firmware
Client Software	
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;

KDemo ▶ HCNetSDKV5.2.6.20_b 1录 新建文件夹	ulid20161223_win32   HCNe	4SDKV5.2.0.20_Build2	0101225_Win52_E	N F IID F WINS2 F	▼ <sup>4</sup> 1
3家 新建文件大	修改日期	类型	大小		
ClientDemoDll			X.J.		
ClientDemoDil     HCNetSDKCom	2017/2/20 19:01	文件 <del>夾</del> 文件 <del>夾</del>			
	2017/2/20 19:01	又件 <del>火</del> DAT 文件	1 KB		
0 fingerprint.dat	2017/8/4 12:58		1 KB 143 KB		
AudioRender.dll	2016/12/23 16:17	应用程序扩展			
	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	
Version Info         Outline         Outline         Outline         Outline         Outline         Others         Others	Product Re
Add Device	
Local Node     terminal       Device Address     10.5.2.117       Port     8000       Username     admin   Password	
Get IP of Device on DDNS     Get IP  DDNS Address www.hiddns.com DDNS Port 80  Device Serial Number E0120110526CCRR403594603 Device Name/Alias (IPserver use device name hiDDNS use alias)	
Add Cancel Activate	

#### Step 3:

Click Management  $\rightarrow$  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
Opvice Tree(Right Click t	VCA   Alarm Host   DVR/N		Time Correction Upgrade Format Reboot	S 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 SetUp	none Num/Door Permissions Linka
	<sup>7</sup> 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

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## 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
⊡- 🌍 Device Tree(Right Click t	Remote Update
	Firmware c:\digicap Browse FuzzyUpgrade Get upgrade info
	Update Exit

## Open your upgrade file;

Remote Update					22
Network LAN	Acs No. 1	k upgrade type Aux dev	ACS - Keyboard -		
Firmware 屁模块	, ACS_Extending-Module	_GM_1.1.0_170818	.rar Brows	e	
FuzzyUpgra	ide	Get upgrade info			
   打开					×
	• ACS_Extending	-Module	<b>- 4</b> → ∄	健家 ACS_Extending	Modul 🔎
组织 ▼ 新建文件羽	<b></b> 夹			-	
』 音乐	名称	^		修改日期	类型
📮 计算机	Stending	_Module_Net		2017/8/18 9:28	BIN 文
IT异机 ▲ 本地磁盘 (C:)					
本地磁盘 (E:)					
🧰 Ciel (F:)					
🧰 新加卷 (G:)	E				
→ 新加老 (H:)					
🖵 5//272 (1) 🖵 个人存档文件 (P	2				
□ 文件资料共享 (\)	\ <del>+</del>				
Ż	と件名(N): Extending	_Module_Serial	- All	File(*.*)	•
				打开(O)	取消

## Click Upgrade;

Remote Update	Remote Update
Network LAN Setup Network upgrade type ACS	Network LAN Setup Network upgrade type ACS Acs No. 1 Aux dev Veyboard Firmware Module CM 11.0 170318[Extending Module Net bin Provse FirzyUpgrade Cet upgrade info Status: Device is upgrading, please wait
Lipdate	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	et.bin Browse		
	E F	uzzyUpgrade		Get upgrade inf	fo	]	
	Status:up	grade successfully,	reboot please				
		Update		Exit			

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

ClientDemo	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 1	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	Card Reader Managem	Restore Default	NetCer
	Remote Control	cara neader 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-		v1.0	Date:	11/22/2017
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## **Part3: Fingerprint Module**

For DS-K1A802/DS-K1T804 series Devices

#### Step 1:

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

🛃 ClientDemo	
Version Info build 20161223	
HCNetSDK V5.2.6.20	Config Preview Playback Management Others Product Related Exit
PlayCtrl V7.3.2.71	
Oevice Tree (Right Click)	Add Device
	Local Node terminal Device Address 10.7.163.209 Pot S000 Usemame admin Password Get IP DoNS Address www.hiddns.com DDNS Get IP DDNS Address www.hiddns.com DDNS Pot B0 Device Senal Number E0120110526CCRR403554603 Device Name/Alas (Pserver use device name /nDDNS use alias) Add Cancel Activate
	Device Address         10.7.163.209           Port         8000           Usemame         admin           Password         Image: Comparison of the second of t

#### Step 2:

Click **Management** → **Upgrade**;

🛃 ClientDemo				
Version Info build 20161223 HCNetSDK V5.2.6.20 PlayCtrl V7.3.2.71  Device Tree(Right Click 1	Config Preview		agement Others Time Correction Upgrade Format	Product Related Exit
	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	R5485
	Remote Control	Card Reader Managem	Restore Default Complete Restore	NetCenter Setup
	Wireless Net Setup	eport Upload Mode Setu	SWS SetUp	hone Num/Door Permissions Linkas
	'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-	Version:	v1.0	Date:	11/22/2017
	K1T803/4 Series Devices				
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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		1
	date Exit	s _

Open your upgrade file;

Remote Upo	LAN	Setup	Network	upgrade type Aux dev	ACS Keyboard	•			Pro ACS
Firmware	c:\digicap uzzyUpgrade	,		Get upgrade in	_	owse			
<mark>ы</mark> іл <del>л</del> Соос	📕 « ACS	. ► ACS_	DS-K10	02F-OR_GM		<b>•</b> • ∄	索 ACS_DS-	K1002F-	OR_G , P
👝 Cie	新建文件4 地磁盘 (E:) al (F:) 加卷 (G:)	AR		02F-OR_AS60	8_GC0308_	CDRO	修改日期		「」 愛型 BIN 文件
新 争 新	加卷 (H:) 加卷 (I:) 人存档文件 (P:								
🖵 文 🗣 网络	件资料共享(\\	E							
	Ż		DS-K10	02F-OR_AS60			File(*.*) 打开(O)		▼ [2]

## Click Upgrade;

upgrade type ACS Aux dev Keyboard Control经济型指纹定 Browse
Control 经济型指纹差 Browse Get upgrade info
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			HIKVISION
	devices				4	

emote Update		×
Network LAN - Acs No. Firmware B GC0308 CDF	Setup Network upgrade type ACS 9 Aux dev Keyboard OM_5000_V1.0.0_Build[20170911].bin Browse	
FuzzyUpgrade	Get upgrade info	
Update	Exit	

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

ClientDemo	a			
build 20161223 HCNetSDK V5.2.6.20	Config Preview	Playback	lanagement Others	Product Related
PlayCtrl V7.3.2.71			Time Correction	
🖃 🌍 Device Tree(Right Click t	VCA Alarm Host DVR/N	VR/DVS CVR Deco	Upgrade	5 VIS
es 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	Card Reader Managem	Restore Default	NetCer
			Complete Restore	
	Wireless Net Setup	eport Upload Mode Set	uSMS SetUp	none Num/Door F
			1	- 1

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

Title:	How to Upgrade DS-K1A801/2 & DS-		v1.0	Date:	11/22/2017
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# First Choice for Security Professionals *HIK*VISION Technical Support