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B - MANUAL METHOD

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A - AUTOMATIC METHOD

1. Firmware Update

As the development process is permanently running, there always will be some improvements and new firmware versions for Online Controller. It is recommended to download it and process the update procedure. The new firmware usually contains new features or improved functionality. The last firmware is available at our web-page <u>http://www.onlinecontroller.eu/sk/download/</u> or on Daikin Extranet.

1.1. Update preconditions

- 1. Visual Basic Runtime Files are required. Visual Basic Runtime Files are in general components of Windows or they can be downloaded from http://support.microsoft.com/kb/192461 and installed.
- 2. In the case of using Firewall on computer it is recommended to allow FTP (TCP ports 20 and 21) and TELNET (TCP port 23) or simply switch your Firewall to Interactive mode which will ask you for allowance. (Or the Firewall can be switched off for update period).
- 3. For WAN scenario, it is important to set up the router for remote access, read chapter 1.3. paragraph 1.

There is possible to perform Update **from inside of LAN** (Computer and Online Controller are both in Local Area Network connected to switch – **LAN scenario**) or from **WAN** (Computer is somewhere in the Internet and Online Controller is in Local Area Network – **WAN scenario**).

1.2. Update procedure – LAN scenario

The computer and Online Controller are in the same LAN (connected to the same switch see Picture No. 1 or directly connect through ethernet cable) and they have got the IP addresses from the same range. For example:

The Computer IP address:192.168.1.101 with subnet mask 255.255.255.0Online Controller IP address:192.168.1.100 with subnet mask 255.255.255.0 (default values)

Please see chapter 1.2. Online Controller first configuration step 3 for network settings of computer.



Picture No. 1

1. Download the exe file VX.Y.Z.zip (X.Y.Z is a number of firmware version) from download section of server and save it to the folder in computer. (See Picture No. 2).

→ → Počítač I	D disc (D:) D disc (D:)	nline Controller		▼ 4 3	Prehľadávať: Or	line Controller
Jsporiadať 🔻 🛛 Zahrnút	ódo knižnice 🔻	Zdieľať s 🔻	Napáliť	Nový priečinok		📰 👻 🔟 🤅
🚖 Obľúbené položky 📩	Názov	^		Dátum úpravy	Тур	Veľkosť
 Naposledy navšti Pracovná plocha Prevzaté súbory 	V02.05.05			22.12.11 09:07	Aplikácia	936 kB
 ➢ Knižnice ➢ Dokumenty ➢ Hudba ➢ Obrázky ☑ Videá 						
💐 Domáca skupina						
🖳 Počítač						
S (C:)						
D disc (D:)						
Vymeniteľný disk						

Picture No. 2

2. Start the VX.Y.Z.exe (usually double-click on it). The folloving screen will be appeared (Picture No. 3). Follow the instructions on this screen to start the installation process and press the Install button.

😨 WinRAR self-extra	acting archive
	 Press Install button to start extraction. Use Browse button to select the destination folder from the folders tree. It can be also entered manually. If the destination folder does not exist, it will be created automatically before extraction.
	Destination folder D:\Online Controller ■ Browse Installation progress
	Install Cancel

Picture No. 3

3. After pressing on Install button the OnlineControllerUpdate window will be appeared (Picture No. 4). The administrator level is required. Type the Login, password and Online Controller's IP address. See next picture No. 4:

Login – Login name for administrator access to Online Controller (default Login: admin)

Password – Password for administrator access to Online Controller (default Password: admin)

Online Controller name or IP address – IP address of Online Controller (default IP address: **192.168.1.100**)

FTP Port and CMD Port – let it in predefine value (FTP Port: 21, CMD Port: 23)

ConlineControllerUpdate		X
Login to Online Controller Login: admin Password: xxxxx Administrator level required	Address information Online Controller name or IP: 192.168.1.100 FTP Port CMD Port 21 23 Proxy server (optional)	e controller
Start Update ! Progress info:	Help About	*

Picture No. 4

4. Then press **Start Update** button and the update process will be started.

The update process usually takes about 3-7 minutes; it depends on the network conditions.

admin	Online Controller name or IP: 192.168.1.100	controller
Password: xxxxxx Administrator level required	FTP Port CMD Port 21 23 Proxy server (optional)	Online
Start Update !	Help About	
ploading file style.css uccesfully connected to Kimanet		

Picture No. 5

5. After successful update the following text at the top of Progress info window is displayed: **Update FINISHED, Online Controller will be restarted** - see Picture No. 6.

ConlineControllerUpdate	- 5	-	1	×
Login to Online Controller Login: admin	Address information	r name or IP:	controller	
Password:	FTP Port	CMD Port	online	
	Proxy server (o	ptional)		
Start Update !	Help	About		
Progress into: Update FINISHED, Klimanet will be resta Running update command from binary kl. Succesfully connected to CMD port on K Connecting to Klimanet for FLASH UPDA File uploadedOK Uploading filekl.bin File uploadedOK Uploading fileOK	ited bin limanet TE			A II
File uploadedOK Uploading file buttons-s.png File uploadedOK				-

Picture No. 6

6. If something else is displayed, please check the connection of Online Controller and computer, check update preconditions and start whole update procedure again.

1.3. Update procedure – WAN scenario

Computer is somewhere in Internet and Online Controller is in Local Area Network (LAN) with connectivity to Internet. WAN (public) IP address should be static (or hostname). On the picture No. 7 is an example of eventual WAN scenario.

The computer IP address (somewhere in Internet): 172.16.0.2

The public WAN IP address: 192.168.3.228 or hostname

192.168.1.100 with subnet mask 255.255.255.0 (default values)

Please see chapter 1.2. Online Controller first configuration step 3 for network settings of computer.

Note: Public IP address 192.168.3.228 in this example is only laboratory IP address. For update process it has to be real public IP address which is provided you from your Internet provider or it can be a hostname.



Picture No. 7

1. First of all you have to ensure, that the router/gateway is set up for remotely access to Online Controller located inside. If not, you have to set it up for WAN access (FTP and TELNET). It is about setting up the NAT parameters (port forwarding or Virtual Server – can be called different for more routers).





Enter the router setup pages (or contact your or customer network administrator) and set port forwarding up, it could be similar than the picture No. 8 shows.

For Example:

FTP communication via port 1035 from WAN will be forwarded to FTP default port (21) of Online Controller IP address in LAN.

TELNET (or CMD) communication via port 1036 from WAN will be forwarded to TELNET default port (23) of Online Controller IP address in LAN.

2. Download the exe file VX.Y.Z.zip (X.Y.Z is a number of firmware version) from download section of server and save it to the folder in computer. (See Picture No. 9).

🕞 🗢 📕 🕨 Počítač 🕨	D disc (D:) 🕨 O	nline Controller		- 47	Prehľadávať: Or	line Controller	x P
Usporiadať 🔻 Zahrnúť	do knižnice 🔻	Zdieľať s 🔻	Napáliť	Nový priečinok		:≕ ▼ 🗔 (?
🔆 Obľúbené položky 🚖	Názov	^		Dátum úpravy	Тур	Veľkosť	
 Maposledy navšti Pracovná plocha Prevzaté súbory 	V02.05.05			22.12.11 09:07	Aplikácia	936 kB	
➢ Knižnice ➢ Dokumenty Induba ➢ Hudba ➢ Obrázky ☑ Videá ☑ Domáca skupina							
Počítač							
🕳 Vymeniteľný disk 🗸							
1 položka							

Picture No. 9

3. Start the VX.Y.Z.exe (usually double-click on it). The folloving screen will be appeared (Picture No. 10). Follow the instructions on this screen to start the installation process and press the Install button.



Picture No. 10

4. After pressing on Install button the OnlineControllerUpdate window will be appeared. The administrator level is required. Type the Login, password and Online Controller's IP address. See next picture No. 11:

Login – Login name for administrator access to Online Controller (default Login: admin)

Password – Password for administrator access to Online Controller (default Password: admin)

Online Controller name or IP address – The public WAN IP address of Online Controller's LAN network or hostname (192.168.3.228 in our example)

FTP Port and **CMD Port** – change it in accordance with your router settings – see next steps. In our example there is FTP Port: 1035 and CMD Port: 1036

C OnlineControllerUpdate				×
Login to Online Controller	Address informatio	r name or IP:	ontroller	
Password:	FTP Port	CMD Port	online	
Administrator level required	Proxy server (o	ptional)		
Start Update !	Help	About		
Progress info:				*
				Ψ.

Picture No. 11



Note: Port 1037 from WAN is forwarded to HTTP port (80) of Online Controller IP address in LAN. It is used for remote access to Online Controller.

5. Then press **Start Update** button and the update process will be started.

The update process takes about 5-10 minutes.

ConlineControllerUpdate				×
Login to Online Controller	Address information	r name or IP:	otroller	
admin Password:	192.168.3.228 FTP Port	CMD Port	All Res	
Administrator level required	1035 Proxy server (op	1036 otional)	0	
Start Update !	Help	About		
Progress info:				
Successfully connected to Klimanet Trying conected to Klimanet OK Opening Internet Session				
				*

Picture No. 12

6. After successful execution of update the following text at the top of Progress info is displayed: **Update FINISHED, Online Controller will be restarted** - see picture No. 13.

p About		Online	
t CMD Port 1036 erver (optional) p About		Online	
p About		5	
p About			
p About			

Picture No. 13

7. If something else is displayed, please check the connection of Online Controller and computer, check update preconditions and start whole update procedure again.

B - MANUAL METHOD

Note: This is supplementary method of firmware update. Please, use it, if it is not possible from any reason to use primary method (application Firmware Updater)

Total Commandar	7.0	1									
Glas Mark Commander	7.0	l Chang Casting webies - Chant									
Files Mark Commanus	Net	Show Configuration Start									пеір
	12	Network Connections		i di							
	×	Disconnect Network Drives					-	٦			
		Share Current Directory				0 (<u>* 0</u> (* 7) (*	2 88 1				1
[-c-] V [_none_] 75 6	8	Unshare Directory		N	[-c-] 🚩 [none_] 75 600 388	k of 11	7 220 232 k fi	ee		۱ ۱
c:\Download*.*		Show Admin Shares		* ▼	c:\Downlo	ad\V2.4.21*.*		0.			* •
Name	E.	FTP Connect	Ctrl+F	tr			Ext	Size	Date 00.00.111	14.22	Attr
	URL	FTP New Connection	Ctrl+N		button:	h	DDG	90 527	08.03.2011	13.42	 a
	-	ETP Disconnect	Shift+Ctrl+E		button	-5	png	90 650	08.09.2011	13:42 -	a
		FTP Show Hidden Files	21010100111		🚺 data_r	ef	png	770	08.09.2011	13:42 -	a
		TTP Download Gross List			🧕 email		htm	7 309	08.09.2011	13:42 -	a
		FTP Download From List			💼 frost		ipg	8 625	08.09.2011	13:42 -	a
		PORT Connection To Other PC			grpmd		CSV	241	08.09.2011	13:42 -	a
					grpmd		htm	27 535	08.09.2011	13:42 -	a
							hin	176 840	08.03.2011	13.42	d
					o loain		htm	2 605	08.09.2011	13:42	a
					🕡 mdbde	,	htm	9 880	08.09.2011	13:42 -	a
					😻 netwr		htm	11 507	08.09.2011	13:42 -	a
					🔮 nice		htm	13 169	08.09.2011	13:42	a
					🧕 notif		htm	7 485	08.09.2011	13:42 -	a
					param		CSY	140	08.09.2011	13:42 -	a
					secur		htm	9 359	08.09.2011	13:42 -	a
					stule		num	5 756	08.09.2011	13.42	d a
					suste		htm	11 221	08.09.2011	13:42	a
					e temp		htm	10 439	08.09.2011	13:42 -	a
					😻 wetri		htm	6 584	08.09.2011	13:42	a
					😻 weath		htm	4 817	08.09.2011	13:42 -	a
0 k / 0 k in 0 / 0 files,	07	1 dir(s)			0 k / 499	k in 0 / 22 files					
		c:\Download\V2.4.21>	d								~
F3 View		F4 Edit F	5 Сору	F6 N	love	F7 NewFolder		F8 Delete	A	lt+F4 E:	rit

1. Copy all files of new firmware

1.1. Establish new FTP connection

Start Total Commander and choose the folder with new firmware. If it is packed, unzip all files. Go to upper menu; choose Net and FTP New Connection.

Then type Online Controller IP address in your LAN network.

ftp		
Connect to (host or URL):		
192.168.4.17		~
anonymous connection Use firewall (proxy server)		
Define new	~	Change
ОК	Cancel	Help

Write user name and password to cell, default is <u>admin</u> for both.

ftp 🛛 🔀	ftp 🛛
User name:	Password:
admin	RANAR
OK Cancel	OK Cancel

Confirm user name and password – press OK button. The FTP connection will establish.

1.2. Delete all files in Online Controller

🖁 Total Commander 7	01										
Files Mark Commands Net Show Configuration Start											
	aoc briow coning	juracion sca	ic i						liop		
FTP Transfer mode Binary (archives, doc etc.) V Disconnect Waiting for server 226 Directory Ok											
📼 c 🙆 d 🐺 g 🕎 j											
[-0-] ▼ [tp://192.168.4.17 \ [-c-] ▼ [_none_] 75 584 796 k of 117 220 232 k free \ \ .											
* C:\Download\\2.4.21\`` *									* -		
Name	Ext	Size	↓Date	Attr	↑Name	Ext	Size	Date	Attr		
&[]		<dir></dir>	00.00.1980	00:00	金[]		<dir></dir>	08.09.2011	14:23		
buttons-b	png	90 527	?	-744	buttons-b	png	90 527	08.09.2011	13:42 -a		
buttons-s	png	90 550	?	-744	buttons-s	png	90 650	08.09.2011	13:42 -a		
🛐 data_ref	png	770	?	-744	🛐 data_ref	png	770	08.09.2011	13:42 -a		
💽 email	htm	6 987	?	-744	💽 email	htm	7 309	08.09.2011	13:42 -a		
🛅 favicon	ico	2 238	?	-744	💼 frost	ipg	8 625	08.09.2011	13:42 -a		
🗐 filelist	txt	251	?	-744	🔊 🖓 grpmd	CSV	241	08.09.2011	13:42 -a		
💼 frost	ipg	8 293	?	-744	💽 grpmd	htm	27 535	08.09.2011	13:42 -a		
🔄 grpmd	CSV	241	?	-744	📦 index	htm	10 311	08.09.2011	13:42 -a		
💽 grpmd	htm	27 396	?	-744	📑 kl	bin	176 840	08.09.2011	13:42 -a		
🖉 grpmd_m	s	6 931	?	-744	📦 login	htm	2 605	08.09.2011	13:42 -a		
💽 index	htm	10 324	?	-744	💽 mdbdev	htm	9 880	08.09.2011	13:42 -a		
📓 jq_min	s	80 412	?	-744	📦 netwr	htm	11 507	08.09.2011	13:42 -a		
💽 login	htm	2 595	?	-744	📦 nice	htm	13 169	08.09.2011	13:42 -a		
🌋 main	s	26 247	?	-744	💽 📦 notif	htm	7 485	08.09.2011	13:42 -a		
📓 mdbdev	htm	7 365	?	-744	🔛 param	CSV	140	08.09.2011	13:42 -a		
📓 netwr	htm	10 932	?	-744	📦 secur	htm	9 359	08.09.2011	13:42 -a		
📦 nice	htm	12 913	?	-744	📦 snmpc	htm	5 715	08.09.2011	13:42 -a		
📓 notif	htm	6 562	?	-744	📑 style	CSS	5 756	08.09.2011	13:42 -a		
🖳 param	CSV	129	?	-744	📦 syste	htm	11 221	08.09.2011	13:42 -a		
🔮 secur	htm	9 269	?	-744	🧉 temp	htm	10 439	08.09.2011	13:42 -a		
📓 snmpc	htm	5 634	?	-744	🕑 wctri	htm	6 584	08.09.2011	13:42 -a		
🎐 style	CSS	5 754	?	-744	🕑 weath	htm	4 817	08.09.2011	13:42 -a		
📦 syste	htm	8 586	?	-744							
🕑 temp	htm	7 269	?	-744							
🔮 wetri	htm	6 392	?	-744							
424 k / 424 k in 25 / 25	files				0 k / 499 k in 0 / 22 files						
		0:\	> d						*		
F3 View	F4 Edit		F5 Сору	F6 M	love F7 NewFolder		F8 Delete	All	+F4 Exit		

Delete all files in Online Controller by selecting all files and pressing DELETE button. Confirm that – press OK.

1.3. Copy new firmware files

								-
💾 Total Commander 7.01								X
Files Mark Commands Net Show Configuratio	n Start							Help
2 🗱 🕴 📓 👯 🛸 🔶			in 🗱 🍰 📘					
FTP Transfer mode Binary (archives, doc	etc.) 🔽 Disconne	ct Waiting for	server ru Ak					*
😑 c 🙆 d 屎 g 🖵 y 🖵 z 🗊 0 🚓 🔪		1220 0 10000	,,	🖵 y 🖵 z 💿 0				
[-0-] ∨ [to://132.168.4.17 \ [-c-] ∨ [none] 75.594.436 k of 117.220.232 k free \								
0·* *		* •	c:\Download\V2.4.2	11**			*	
Name Ext Size	Date ↓	Attr	↑Name	Ext	Size	Date	Attr	
金[] <di< td=""><td>R> 00.00.1980 00</td><td>):00</td><td>€L]</td><td></td><td><dir></dir></td><td>08.09.2011 1</td><td>4:23</td><td></td></di<>	R> 00.00.1980 00):00	€L]		<dir></dir>	08.09.2011 1	4:23	
			buttons-b	png	90 527	08.09.2011 1	3:42 -a	
			🛐 buttons-s	png	90 650	08.09.2011 1	3:42 -a	
	Hoload			png 🔽	770	08.09.2011 1	3:42 -a	
	option			htm htm	7 309	08.09.2011 1	3:42 -a	
	Upload as:			ipg	8 625	08.09.2011 1	3:42 -a	
	x x			CSV	241	08.09.2011 1	3:42 -a	
	Upload in back	oround (separate	e thread)	htm	27 535	08.09.2011 1	3:42 -a	
	Convert file nan	nes to lowercase		ntm	170 040	00.00.2011.1	3:42 -8	
		_		btm	2 605	00.03.2011 1	3.42 *d**	
			OK Cano	el htm	9 880	08.09.2011.1	3.42 -a	
			🔊 netwr	btm	11 507	08.09.2011 1	3:42 -a	
			ice	htm	13 169	08.09.2011 1	3:42 -a	
			🖬 notif	htm	7 485	08.09.2011 1	3:42 -a	
			🖼 param	CSV	140	08.09.2011 1	3:42 -a	
			secur	htm	9 359	08.09.2011 1	3:42 -a	
			🔮 snmpc	htm	5 715	08.09.2011 1	3:42 -a	
			🎯 style	C22	5 756	08.09.2011 1	3:42 -a	
			🔮 syste	htm	11 221	08.09.2011 1	3:42 -a	
			e temp	htm	10 439	08.09.2011 1	3:42 -a	
			wetrl	htm	6 584	08.09.2011 1	3:42 -a	
			weath	ntii	4 017	00.03.2011 1	3.42 -0	
0 k / 0 k in 0 / 0 files			499 k / 499 k in 22 .	/ 22 files				
c:\Download\V2	2.4.21> d							*
F3 View F4 Edit	F5 Сору	F6 M	ove F7 Ne	wFolder	F8 Delete	Alt	+F4 Exit	

Select all files of new firmware and press F5 COPY button at lower menu. Confirm – press OK.

1.4. Verify all files and their size

Total Commander 7.0	01										
Files Mark Commands Net Show Configuration Start											
				CTD 1101							
FTP Transfer mode Binary (archives, doc etc.) V Disconnect Waiting for server 226 Directory Dk											
[-0.] v [tp://192.168.4.17 \ [-c-] v [none_] 75 587 504 k of 117 220 232 k free \											
• • • • • • • • • • • • • • • • • • •									* -		
Name	Ext	Size	↓Date	Attr	↑Name	Est	Size	Date	Attr		
金[]		<dib></dib>	00.00.198	30 00:00	\$ []		<dir></dir>	08.09.2011 1	4:23		
buttons-b	png	90 527	?	-744	buttons-b	png	90 527	08.09.2011 1	3:42 -a		
buttons-s	png	90 650	?	-744	互 buttons-s	png	90 650	08.09.2011 1	3:42 -a		
🛐 data_ref	png	770	?	-744	🛐 data_ref	png	770	08.09.2011 1	3:42 -a		
💽 email	htm	7 309	?	-744	🝯 email	htm	7 309	08.09.2011 1	3:42 -a		
🖻 frost	ipg	8 625	?	-744	💼 frost	ipg	8 625	08.09.2011 1	3:42 -a		
🚳 grpmd	CSV	241	?	-744	🐴 grpmd	CSV	241	08.09.2011 1	3:42 -a		
🧕 🕑 grpmd	htm	27 535	?	-744	🧕 🔮 grpmd	htm	27 535	08.09.2011 1	3:42 -a		
🧕 index	htm	10 311	?	-744	😻 index	htm	10 311	08.09.2011 1	3:42 -a		
🕒 kl	bin	176 840	?	-744	🕒 kl	bin	176 840	08.09.2011 1	3:42 -a		
🧕 login	htm	2 605	?	-744	🧕 login	htm	2 605	08.09.2011 1	3:42 -a		
🧕 mdbdev	htm	9 880	?	-744	🔮 mdbdev	htm	9 880	08.09.2011 1	3:42 -a		
🥑 netwr	htm	11 507	?	-744	🧕 netwr	htm	11 507	08.09.2011 1	3:42 -a		
📓 nice	htm	13 169	?	-744	🧕 nice	htm	13 169	08.09.2011 1	3:42 -a		
🥑 notif	htm	7 485	?	-744	🔮 notif	htm	7 485	08.09.2011 1	3:42 -a		
🛀 param	CS¥	140	?	-744	🖳 param	CSY	140	08.09.2011 1	3:42 -a		
🥑 secur	htm	9 359	?	-744	😻 secur	htm	9 359	08.09.2011 1	3:42 -a		
🥑 snmpc	htm	5 715	?	-744	🧕 snmpc	htm	5 715	08.09.2011 1	3:42 -a		
🎯 style	CSS	5 756	?	-744	i Style	CSS	5 756	08.09.2011 1	3:42 -a		
🧕 syste	htm	11 221	?	-744	🔮 syste	htm	11 221	08.09.2011 1	3:42 -a		
🧉 temp	htm	10 439	?	-744	🔮 temp	htm	10 439	08.09.2011 1	3:42 -a		
🕑 wctrl	htm	6 584	?	-744	🔮 wctri	htm	6 584	08.09.2011 1	3:42 -a		
⊌ weath	htm	4 817	?	-744	😻 weath	htm	4 817	08.09.2011 1	3:42 -a		
0 k / 499 k in 0 / 22 files					0 k / 499 k in () / 22 files					
	c:\Down	load\V2.4.21	> d						~		
F3 View	F4 Edit		F5 Сору	F6 N	love l	F7 NewFolder	F8 Delete	Alt	⊧F4 Exit		

After copying, check all files and their size.

1.5. Copy corrupted files again

lf	Upload 🛛 🔀	ftp 🛛 🔀
	Upload-> Upload as:	Target already exists: buttons-b.png
	buttons-b.png	Do you want to overwrite it?
	<u>U</u> pload in background (separate thread) <u>C</u> onvert file names to lowercase	Qverwrite Overwrite <u>a</u> ll <u>S</u> kip
	OK Cancel	<u>C</u> ancel S <u>k</u> ip all <u>R</u> ename

the file size does not match, you have to copy it again. Press F5 COPY button again.

💾 Total Commander	
Upload: 23 552 bytes, 3 kbytes/s, 18 s From: C:\Documents and Settings\Pišta\\4_FTP\V2.4.12\buttons-b.png To : buttons-b.png Pauseancel	26 %

Confirm both issues. Copy process

will start.

1.6. Disconnect FTP session

2. Reprogramming new firmware

2.1.

Verify copying process again. If it is not successful, repeat the step 1.5. Then press the DISCONNECT button. It is not necessary to save this session... press No.

Start command window

Go to Window's START button, then choose the RUN and type **<u>cmd</u>** to the cell. Press OK button.

2.2. Open TELNET connection



Write telnet IP_address of Online Controller and press Enter.



Write the login and password. It is <u>admin</u> for both.

2.3. Start reprogramming process



Write <u>reprog kl.bin gogo</u> and press Enter. The reprogramming process will start. Wait 2 minutes approximately. After reprogramming, Online Controller will be restarted automatically.

2.4.Close command window

After time, you can close the command window, press upper-right crosslet.

3. Enjoy new firmware version

Online Controller has got new firmware and it is ready for use.

4. Use Online Controller with improved firmware