

# HowTo: Firmwareupdate DWC-managed Acesspoint

### [Requirements]

- 1. DWC-1000/2000 with latest Firmware - DWC-1000 with FW 4.6.0.x onwards - DWC-2000 with FW 4.6.0.x onwards
- 2. compatible Unified-AP with latest Firmware - DWL-8710AP/8610AP/8600AP/6700AP/6610AP/6600AP/3610AP/3600AP/2600AP with FW 4.2.0.x onwards

#### [Scenario]

One Unified-AP, which is managed by an DWC-1000/2000, should be updated to a newer firmware version.

In this document we will only explain the HTTP-process. The other update possibilities are similar to this one.





# [Preparation]

- $\Rightarrow$  The accesspoints are correctly managed by the DWC-1000/2000
- $\Rightarrow$  The latest firmware always can be downloaded from our FTP-Server <u>ftp://ftp.dlink.de</u>.
- ⇒ Please read in advance the manual and other available documentation to configure the wireless system.



#### [Preparation on the DWC-x000]

1.) Connect to your DWC-x000 and check the current firmware of the APs. Therefore navigate to "Status -> Wireless Information -> Access Point -> Managed"

	CA Status	🛜 Wireless	💂 Network 🛛 🟠	VPN 🔒 Sect	urity 🔅 🔅 Mainte	enance
e Trat tive Ir ashbo	Dashboard Dashboard	System Information Device All Logs USB Status	Network Information DHCP Clients Captive Portal Sessions Active Sessions Active VPNs Interfaces IPv6 Tunnels Status	Wireless Information Radius Accounting Stastistics Controller Status Access Point Associated Clients Clustering	ACL & DiffServ IP ACL IP ACL Rules MAC ACL Rules DiffServ Class DiffServ Policy	e Dashboard
Traffi				wubs Groups Status	DiffServ Policy Attribute	

a. Here you can see the current Firmware Version installed on your managed APs

	🕜 Status	🛜 Wireless	💻 Netw	vork Ca	B VPN	Security	🗢 Mainte	nance
Status » Wire	eless Information »	<ul> <li>Access Point          <ul> <li>Mana</li> </ul> </li> </ul>	aged					2 0
Global S	tatus All APs	Managed Peer Ma	naged Auther	ntication Faile	ed RF Sca	n De-Authenticatio	on Attacks Hard	ware Capability
We can see a	ll the details relat	ted to a managed AP	here. We can pe	rform actions	like reset, d	lisassociate clients co	nnected with selec	ted AP.
Managed A	Ps List							
Show 10	✓ entries [Right of a state o	click on record to get m	ore options]					٩
Model Name 🗘	Firmware Version	MAC Address ⊖	IP Address ↔	$Location_{\Theta}$	Status $_{\ominus}$	Configuration ⊖ Status	Scheduler Global ⊖ Status	Scheduler Global ⊖ Reason
dwl6600ap	4.2.0.9_B018	FC:75:16:77:86:40	192.168.10.103		Conn Failed	Not Configured	disabled	-
dwl6610ap	4.3.0.2_B042	3C:1E:04:F3:DC:80	192.168.10.109		Managed	Success	disabled	-
dwl8610ap	4.3.0.2_B042	B0:C5:54:E7:A0:00	192.168.10.128		Managed	Success	disabled	-
Showing 1 to	3 of 3 entries					F F	irst d Previous 1	Next > Last >

b. If you use the right klick on one managed AP you will get some advanced information menues for this selected AP.



Status » Wireless	Information	P	AP Details	ged								?	0
Global Statu	us All AP	/ #	Radio Details Neighbor APs	naged	Auther	ntication Faile	ed RF Scai	n De-Authentica	atio	n Attacks H	lardw	are Capabil	ity
We can see all th	e detuils re	iii	Neighbor Clients	iere. We	can pe	rform actions	like reset, d	lisassociate clients	con	nected with s	electe	ed AP.	
Managed APs	List	E	VAP Details Distributed Tunnel										
Show 10 -	entries [Rigł	0	Reset AP	ore optio	ns]								٩
Model 🔂 Fi Name 🗘 Ve	irmware ersion	)) I	Disassociate Clients AP Statistics	IP Add	ress 🕀	$\operatorname{Location}_{\ominus}$	Status $_{\Theta}$	Configuration Status	e	Scheduler Global Status	⇔	Scheduler Global Reason	e
dwl6600ap 4.2	2.0.9_B01a	E	Radio Statistics VAP Statistics	192.168.	10.103		Conn Failed	Not Configured		disabled		-	
dwl6610ap 4.1	3.0.2_B042		3C:1E:04:F3:DC:80	192.168.	10.109		Managed	Success		disabled		-	
dwl8610ap 4.	3.0.2_B042		B0:C5:54:E7:A0:00	192.168.	10.128		Managed	Success		disabled			
Showing 1 to 3 of	3 entries								Fi	rst 👌 Previous	5 1	Next 🔪 Las	it 刘

## 2.) Navigate now to "Maintenance -> AP Firmware -> AP Firmware Download".

🕐 Status	🛜 Wire	less	📃 Networ	'k	ഹ്ല VPN		Security	00	Maintenance	$\geq$
Status » Wireless Information >	<ul> <li>Access Point</li> </ul>	Administrat System Settin	r <b>ion</b> ng	Manag Remot	<b>;ement</b> e Management	<b>Firmw</b> Firmwa	<b>/are</b> are Upgrade	<b>Logs</b> Facili	Settings ity Logs	0
Global Status All APs	Managed	Date and Tin	ne	SNMP	stics	Backup Soft Re	o / Restore	Rout	ing Logs	lity
Global Status All Als	munuged	License Upda	te	Power	Saving	AP Firr	nware Download	> Rem	ote Logs	(rey
We can see all the details rela	ted to a mana	USB Share Po	rts					Syslo	g Server	
Managed APs List								Even	t Logs	

C	🛆 Status 🗧 🤶	Wireless	Network	💂 Security	🔅 Maintenance	
Maintenance » Firmware & C AP Firmware Download	Config » AP Firmware	Download It may take ab proces: atus	out 12 minute s to complete	es for the upgra for an AP.	de	0 8

The Unified Wireless Controller can upgrade software on the APs that it manages. The Cluster Controller can update code on APs managed by peer wireless controllers. It may take about 12 minutes for the upgrade process to complete for an AP.

AP Firmware Down	load						
Show 10   entries	[Right cl	ick on record to get more	options ]				٩
Model Type	÷	Upgrade Type	⇔	File Location	⇔	AP Firmware Name	⇔
			No	data available in table			
Showing 0 to 0 of 0 entries	5					K First Previous	lext 🔪 Last 刘
Add New Firmware							



#### 3.) Add now a new Firmware for the APs by "Add New Firmware"

AP Firmware Configuration	$\mathbf{x}$
Model (AP Type) Upgrade Type External Devices Device Connection Status	DWL-8600AP   USB   OUSB 1   OUSB 2   Not Available
	Save

- a. Model (AP Type) = from the drop down menue select the AP-Type you want to update (f.e.DWL-8600AP)
- b. Upgrade Type = from the drop down menue select the way you want to upgrade the AP (f.e. HTTP)
  - i. If selecting USB, also choose the available and correct USB port, where you connected the media containing the AP-Firmware
  - ii. If selecting HTTP add the full Firmware-name in the Field "Firmware Name"
  - iii. If selecting TFTP add the full Firmware-name in the Field "Firmware Name"
- c. With "Save" you confirm the settings.

AP Firmware Configuration		×
Model (AP Type) Upgrade Type Firmware Name	DWL-8600AP   HTTP  DWL-8600AP_4302B08.tar	
		Save



# 4.) After adding the new Model-Type please repeat this step (3) for all other AP Models you use.

	Оре	eration Succeeded	
AP Firmware Download	AP Firmware Status		
The Unified Wireless Controller of wireless controllers. It may take	can upgrade software on the APs that about 12 minutes for the upgrade pr	it manages. The Cluster Controller o ocess to complete for an AP.	an update code on APs managed by peer
AP Firmware Download		·	
Show 10  rentries [Right cl	ick on record to get more options ]		فر
Model Type	Upgrade Type ⊖	File Location $\Theta$	AP Firmware Name 🛛 🖯
DWL-8600AP	НТТР		DWL-8600AP_4302B08.tar
Showing 1 to 1 of 1 entries			First Previous 1 Next > Last >
Add New Firmware			
	• Оре	eration Succeeded	
AP Firmware Download	AP Firmware Status		
The Unified Wireless Controller c vireless controllers. It may take	an upgrade software on the APs that about 12 minutes for the upgrade pr	it manages. The Cluster Controller occurs to complete for an AP.	can update code on APs managed by peer
AP Firmware Download			
Show 10  rentries [Right clip	ick on record to get more options ]		فر ا
Model Type 💮	Upgrade Type $\Theta$	File Location ⊖	AP Firmware Name ⊖
DWL-8600AP	нттр		DWL-8600AP_4302B08.tar
DWL-8610AP	нттр		DWL-8610AP_4306.tar
Showing 1 to 2 of 2 entries			First Previous 1 Next > Last >
Add New Firmware			

5.) right click on one Model Type you can choose "Upgrade" for upgrading this one Model Type via the previous defined way

AP Firmware Download			
Show 10 • entries [Right cl	ick on record to get more options ]		٩
Model Type 🗘	Upgrade Type ⊖	File Location $\Theta$	AP Firmware Name ⊖
DWL-8600AP	НТТР		DWL-8600AP_4302B08.tar
DWL-8610AP	НТТР		DWL-8610AP_4306.tar
Showing 1 t			First     Previous     1     Next     Last
Add Nev 💽 Upgrade			
Dygrade All			
🔀 Delete			



6.) By now right click on one Model Type you can choose "Upgrade" for upgrading this one Model Type via the previous defined ways

AP Firmware Upgrade Configurat	tion	×
Model(AP Type)	DWL-8610AP	<b>^</b>
Upgrade Type	нттр	
Firmware Name	DWL-8610AP_4306.tar	
Upload	Durchsuchen DWL-8610AP_	
Group Size	24 [Default: 24, Range: 1 - 24]	
Connected AP(s) Status	AP's are connected	Ш
All Managed AP(s)	OFF	
Managed AP(s)	10:be:f5:b0:32:00-DWL-8610AP-4.3.0.2B061C-192.168.10.114-LAB_Wit 90:8d:78:35:9e:00-DWL-8610AP-4.3.0.6-192.168.0.46-18t_Hoor b0:c5:54:e6:ab:00-DWL-8610AP-4.3.0.6-192.168.0.23-EG ec:22:80:bd:b0:40-DWL-8610AP-4.3.0.6-192.168.0.26-DG	
	Sa	ve

- a. Upload
- = select the new FW-file from your local source
- b. Managed AP(s) = select with STRG+left Mouse click single APs for update
  - i. If you want to update "ALL" APs of this type enable "All Managed AP(s)
- c. Press "Save" to start the process.

AP Firmware Download AP F	rmware Status	
Unified Wireless Controller can less controllers. It may take abo nware Upgrade Status	pgrade software on the APs that it manages. The Cluster Controller can update code on APs managed by p ut 12 minutes for the upgrade process to complete for an AP.	eer
Upgrading Devices	DWL-8610AP	
Upgrade Type	нттр	
AP Firmware Download AP F	Imware Status	
AP Firmware Download AP I Unified Wireless Controller can eless controllers. It may take ab mware Upgrade Status	promware status pgrade software on the APs that it manages. The Cluster Controller can update code on APs managed by pee ut 12 minutes for the upgrade process to complete for an AP.	r
AP Firmware Download AP I Unified Wireless Controller can eless controllers. It may take ab mware Upgrade Status Upgrading Devices	irrmware status ipgrade software on the APs that it manages. The Cluster Controller can update code on APs managed by pee ut 12 minutes for the upgrade process to complete for an AP. DWL-8610AP	٢
AP Firmware Download AP I Unified Wireless Controller can eless controllers. It may take abo mware Upgrade Status Upgrading Devices Upgrade Type	Irriware status Ipgrade software on the APs that it manages. The Cluster Controller can update code on APs managed by pee ut 12 minutes for the upgrade process to complete for an AP. DWL-8610AP HTTP	er



The update takes about 12-15 minutes depending of how many APs you simultaneously update.

During one update proccess you can't modify or start alternate update proccesses.

After the update is finished you can see the status (success or failure) by checking the AP Firmware Status.

Maintenance » Firmware & Config » AP Firmware Download » AP Firmware Status					<b>()</b>	
AP Firmware Download AP F	Firmware Status					
This page displays the Code Downloa	ad Status and Success/Fail	ure of the AP firmware upgrade process.				
AP Firmware Status						
Code Download Status						
Status	NVRAM U	pdate In Progress				
Download Count	1					
Success Count	0					
Failure Count	0					
Abort Count	0					
AP Firmware Status						
Show 10  entries [No right click options]				٩		
AP MAC 🔂	Location $\ominus$	Status	⊜	Firmware Version $\Theta$		
10:be:f5:b0:32:00	LAB_Window	NVRAM Update In Progress		4.3.0.2B061C		
Showing 1 to 1 of 1 entries				First     Previous     1     Next     Last		