

# HowTo: FW-Update & Stacking DGS-1510-Series

# [Requirements]

1. DGS-1510-xx with latest Firmware 1.30B19 or newer <u>ftp://ftp.dlink.de/dgs/dgs-1510-20/driver\_software/</u>

# [Stacking Topologie]

	15-	TLAMT	_	
Price				
D-Link SMARTPRO SWITCH				на си рако рако рако
D-Link SMANTPHO SWITCH				
D-Link SMARTFRO SWITCH				

# [Prepatations]

- ⇒ The Switch's default IP Address is 10.90.90.90/8
- $\Rightarrow$  The physical stacking is <u>ONLY</u> working on the last 2 SFP+ Ports of the Switch
  - If using an DGS-1510-28X or DGS-1510-52X you have 2 additional SFP+ ports for 10G Uplink or Client connections
  - You can stack always within the same device series (f.e. DGS-1510-20 + DGS-1510-52)
- $\Rightarrow$  The physical stacking is <u>ONLY</u> working when using SFP+ or DAC-Modules
- $\Rightarrow$  All switches should have the same Firmware version installed.
- ⇒ Please finish the stacking before you configure anything else, since the stacking is the basic definition of the whole stack
- ⇒ For easy initial setup, please use the DNA (D-Link Network Assistant) for Firmware Update (the DNA is capable of discovering/managing devices using different IP Subnets, as long as they are in the same L2 network (vlan), but may not work with older Switch Firmwareversions)
  - o ftp://ftp.dlink.de/dgs/dgs-1510-20/driver\_software/



# [initial Firmwareupdate via DNA]

- Power on all the Switches you want to stack and interconnect them simply with one network cable each, connect them to your network with DHCP-Server
- connect your Management-PC into this network
- Start the DNA Software & wait some minutes till all devices are discovered

	Common Ad	vanced										
Device Settings	Change Password	Time Settings	SNMP	Firmware Upgrade	Backup or Restore	Re	eboot Rese	t				
Device List	Alarms(7)											
Device l	ist							Ø	Refresh	Search		٩
Status	Model Name	Product Type	Device Name	MAC	IPv4	IРvб	Device Time	Interface	FW Version	HW Version	Serial Number	IP Mode
	DGS-1510-20	Switch	Switch-1510-xx	9C:D6:43:FE:67:E8	192.168.10.6		20160701102626	Port 74	1.30.B019	A1		Static IP
	DGS-1510-28P	Switch	Switch	C4:A8:1D:0F:E7:20	10,90.90.90	-	20000101010430	Port 23	1.30.B019	A1		Static IP
	DGS-1510-20	Switch	Switch	D8:FE:E3:9C;E3:B8	192.168.10.5		20000117234309	Port 15	1.30.B019	A1		Static IP
		Calibrit	Switch	70:62:B8:3D:25:00	10.90 90 90	>	20000101003413	Port 15	1.21.B005	A1		Static IP
	DGS-1510-28	Switch	Switch									
	DGS-1510-28 DXS-3400-24TC	Switch	Switch	E8:CC:18:15:9C:98	192.168.10.114		20140225205121	Port 22	1.00.037	A1	F 1	DHCP

Choose the 1<sup>st</sup> device you want to modify by clicking on the checkbox and then "device setting"

Operation       Partnets         Device Settings       Image Password       Image Settings       Image SNMP       Image SNMP       Image Settings       Image Settings       Image Settings       Image Settings       Image SNMP       Image Settings       Image Settings       Image Settings       Image Settings       Image Settings       Image Settings       Image Settings       Image Settings       Image Settings       Image Settings       Image Settings	-	Common Ad	vanced								
Device List         Alarms(8)           Device List	Device Settings	Change Password	Time Settings	SNMP	Firmware Upgrade	Backup or Restore	Re	eboot Rese	t		
Device List         Refresh           Status         Model Name         Product Type         Device Name         MAC         IPv4         IPv6         Device Time         Interface         FW Ver           DGS-1510-20         Switch         Switch-1510-xx         9C:D6:43:FE:67:E8         192.168.10.6         20160701102926         Port 74         1.30.80           DGS-1510-28         Switch         Switch         C4:A8:1D:0F:E7:20         If 92.91801         20000101010730         Port 23         1.30.80           DGS-1510-20         Switch         Switch         D8:FE:E3:9C:E3:88         192.168.10.5         20000117234609         Port 15         1.30.80	vice List	Alarms(8)									
Status         Model Name         Product Type         Device Name         MAC         IPv4         IPv6         Device Time         Interface         FW Ver           G         DGS-1510-20         Switch         Switch-1510-xx         9C;D6:43:FE:67:E8         192.168.10.6         20160701102926         Port 74         1.30.80           G         DGS-1510-28P         Switch         Switch         C4:A8:1D:0F:E7:20         0.0.2.9900         20000101010730         Port 23         1.30.80           G         DGS-1510-20         Switch         D8:FE:B3:9C:E3:88         192.168.10.5         2000011010730         Port 23         1.30.80           G         DGS-1510-20         Switch         D8:FE:B3:9C:E3:88         192.168.10.5         2000011010730         Port 13         1.30.80	Device L	.ist							Q	Refresh	Se
Ocs-1510-20         Switch         Switch-1510-xx         9C:D6:43:FE:67:E8         192.168.10.6         20160701102926         Port 74         1.30.80           Ocs-1510-28P         Switch         Switch         C4:A8:1D:0F:E7:20         D0:03.010         20000101010730         Port 23         1.30.80           Ocs-1510-28P         Switch         Switch         D8:FE:E3:9C:E3:88         192.168.10.5         20000101010730         Port 23         1.30.80           Ocs-1510-20         Switch         D8:FE:E3:9C:E3:88         192.168.10.5         20000117234609         Port 15         1.30.80	] Status	Model Name	Product Type	Device Name	MAC	IPv4	IРvб	Device Time	Interface	FW Versie	on
ODGS-1510-28P         Switch         C4:A8:1D:0F:E7:20         O.9.0.93:80         20000101010730         Port 23         1.30.80           ODGS-1510-20         Switch         Switch         D8:FE:E3:9C:E3:88         192.168:10.5         20000117234609         Port 15         1.30.80           ODGS-1510-20         Switch         D8:FE:E3:9C:E3:88         192.168:10.5         20000117234609         Port 15         1.30.80	] 🔴	DGS-1510-20	Switch	Switch-1510-xx	9C:D6:43:FE:67:E8	192.168.10.6		20160701102926	Port 74	1.30.B019	
Open state         Dispersion         Dispersion <thdispersion< th="">         Dispersion         Dispersi</thdispersion<>		DGS-1510-28P	Switch	Switch	C4:A8:1D:0F:E7:20	10.90.90.90		20000101010730	Port 23	1.30.B019	
		DGS-1510-20	Switch	Switch	D8:FE:E3:9C:E3:B8	192.168.10.5		20000117234609	Port 15	1.30.B019	
☑ DGS-1510-28 Switch Switch 70:62:88:3D:25:00 0.000000000000000000000000000000000		DGS-1510-28	Switch	Switch	70:62:B8:3D:25:00	10.90.90.90		20000101003713	Port 15	1.21.B005	i.
DXS-3400-24TC Switch Switch E8:CC:18:15:9C:98 192.168.10.114 20140225205421 Port 22 1.00.03		DXS-3400-24TC	Switch	Switch	E8:CC:18:15:9C:98	192.168.10.114		20140225205421	Port 22	1.00.037	
DWL-6610AP Access Point D-Link AP 3C:1E:04:FA:1B:C0 192.168.10.105 20160701122916 LAN1 4.3.0.4	]	DWL-6610AP	Access Point	D-Link AP	3C:1E:04:FA:1B:C0	192.168.10.105		20160701122916	LAN1	4.3.0.4	
DWL-6600AP Access Point D-Link AP FC:75:16:77:86:40 192.168.10.102 20160701122854 LAN1 4.2.0.9E		DWL-6600AP	Access Point	D-Link AP	FC:75:16:77:86:40	192.168.10.102		20160701122854	LAN1	4.2.0.9B03	35C



Choose the IP Settings you want to use (f.e. DHCP or Static) and confirm with "next"

General Config		2 Confirm Sur	nmary
Device Name Serial Number	DGS-1510-28 RZ <sup>5</sup> 37	MAC 70:	62:B8:3D:25:00
ystem Name Switch	ings	Web Port Number	80
Set IP Add  Static IP  DI	HCP O BOOTP	Set DNS A Obtain DNS Control Ob	ddress Server Address Automatically
IP Address Subnet Mask	10.90.90.90 255.0.0.0	Primary DNS Secondary DN	Server
Default Gateway			

In this example we set the IP to DHCP for initial Setup only.

Username & Password are by default "admin", confirm with submit.

wetere	Name Switch			Web Port New	aber 90				
Pv4 Se	ettings			IPv6 Settings	nber 80				
P Mod	e DHCP			IP Address					
Primar	y DNS Server			Subnet Mask					
Second	lary DNS Server			Default Gateway					
				Primary DNS Server					
				Secondary DNS Server					
Devid	ce List								
Model	Name	MAC	IP Add	ress	Serial Nur	nber			
DGS-15	510-28	70:62:B8:3D:25:00	10.90.9	0.90	P	7			
Notific	ation			Authen	itication				
Notific	ation e: The new settings maj	y take up to 60 seconds to	o take effect.	Authen U	itication ser Name	admin			
Notific Note	ation e: The new settings may I understand the risks	y take up to 60 seconds to	o take effect.	Authen U: F	tication ser Name Password	admin			
Notific Note	ation e: The new settings may I understand the risks	y take up to 60 seconds to	o take effect.	Authen U	tication ser Name Password	admin ***** Previous	Submit		
Notific Note	ation e: The new settings may I understand the risks	r take up to 60 seconds to	o take effect.	Authen U F	ntication ser Name Password	admin ***** Previous	Submit		
Notific Note	eition ei The new settings may I understand the risks Retar Connig	y take up to 60 seconds to	o take effect.	Authen U F	tication ser Name Password	admin ***** Previous Search.,	Submit		
Notific Note I I Ger Result	e: The new settings may I understand the risks Incluir Connig It Model Name	y take up to 60 seconds to	D take effect.	Authen U F	tication ser Name Password	admin ***** Previous Search	Submit		
Notific Note I I Result	e: The new settings may e: The new settings may I understand the risks Retar Connig It Model Name DCC 1510-20	MAC	IP Address	Details	tication ser Name Password	admin  *****  Previous  Search	Submit		

Repeat this step till all devices have an IP Address.



Now select all devices you want to update to latest firmware and select "Firmware Upgrade"

D D-Li	ink N	etwork Assistant										-	
		Common Ac	lvanced		$\frown$								
Dev Sett	vice	Change Password	Time Settings	SNMP	Firmware Upgrade	Backup or Restore	Re	eboot Rese	t				
Device	List	Alarms(7)											
Dev	ice	List							Ø	Refresh Se	earch		
St	tatus	Model Name	Product Type	Device Name	MAC	IPv4	IPv6	Device Time	Interface	FW Version	HW Version	Serial Number	IP
	۲	DGS-1510-20	Switch	Switch-1510-xx	9C:D6:43:FE:67:E8	192.168.10.6		20160701103928	Port 74	1.30.B019	A1		Sta
	۲	DGS-1510-20	Switch	Switch	D8:FE:E3:9C:E3:B8	192.168.10.5		20000117235611	Port 15	1.30.B019	A1	1000	Sta
~	0	DGS-1510-28	Switch	Switch	70:62:B8:3D:25:00	192.168.10.116		20000101004715	Port 15	1.21.B005	A1		DH
	۲	DGS-1510-28P	Switch	Switch	C4:A8:1D:0F:E7:20	192.168.10.117		20000101011732	Port 23	1.30.8019	A1		DH
		DWL-6600AP	Access Point	D-Link AP	FC:75:16:77:86:40	192.168.10.102		20160701123900	LAN1	4.2.0.9B035C	1	-	DH
	-					100 100 10 100		20160701122027	LANIS	4204	4.1		DU
		DWL-6610AP	Access Point	D-Link AP	3C:1E:04:FA:1B:C0	192.168.10.105		20100701123927	LANT	4.3.0.4	AI	ų ·	. DH

Choose the correct IPv4 IP Address of your computer and also by browse the new firmwarefile. Confirm with "next"

Firmware Upgrade	de 2 Confirm Summary	×
	192.168.10.101	
Upgrade Selection	Use one firmware file for all devices     Use a different firmware file for each device	
	C:\Users\marcus\Desktop\DGS-1510_Run_130B019.had	
		Next



Username & Password are by default "admin", confirm with submit.

	Irade			
Firmware L	Jpgrade		>2	Confirm Summary
TFTP IP	192.168.10.101	Firmware Fil	e C:\Users\marcu	s\Desktop\DGS-1510_Run_130B019.had
Apply to A	All Devices			
IsSupported	Model Name	MAC	IP Address	Serial Number
Yes	DGS-1510-28P	C4:A8:1D:0F:E7:20	192.168.10.117	I3
Yes	DGS-1510-28	70:62:B8:3D:25:00	192,168,10,116	
Notification				Authentication
Notification Warning: I devices du result. Plez	Do not disconnect the netw ring upgrade processes; ur se note that during the un	vork, close this program nrecoverable damage to grade process your des	, or power cycle the o the devices may vices may reboot.	Authentication User Name admin
Notification Warning: I devices du result. Plea I unde	Do not disconnect the netw Iring upgrade processes; ur ase note that during the up rstand the risks	rork, close this program nrecoverable damage to grade process, your dev	, or power cycle the b the devices may vices may reboot.	Authentication User Name admin Password *****
Notification Warning: I devices du result. Plea V I unde	Do not disconnect the netw iring upgrade processes; ur ase note that during the up rstand the risks	vork, close this program nrecoverable damage to grade process, your dev	, or power cycle the the devices may vices may reboot.	Authentication User Name admin Password *****

#### Wait till the update is finished:

vice Li	Result					Search	٩
Devic	Result	Model Name	MAC	IP Address	Details		
Stat	X	DGS-1510-28P	C4:A8:1D:0F:E7:20	192.168.10.117	Processing7%		
0	X	DGS-1510-28	70:62:B8:3D:25:00	192.168.10.116	Processing7%		
i 🍯							

The update needs a reboot till finish, you could do this right now by selecting the Option "reset", otherwise continue directly to next point for basic stacking configuration.

D-Link N	etwork Assistant									
	Common Ac	lvanced					-	~		
Device Settings	Change Password	Time Settings	SNMP	Firmware Upgrade	Backup or Restore	Re	eboot C	)		
Device List Device	Alarms(7) List			· 				Ø	Refresh S	Gearch
Status	Model Name	Product Type	Device Name	MAC	IPv4	IPv6	Device Time	Interface	FW Version	HW V
	DGS-1510-20	Switch	Switch-1510-xx	9C:D6:43:FE:67:E8	192.168.10.6		20160701104907	Port 74	1.30.B019	A1
	DGS-1510-20	Switch	Switch	D8:FE:E3:9C:E3:B8	192.168.10.5		20000118000551	Port 15	1.30.B019	A1
	DGS-1510-28	Switch	Switch	70:62:B8:3D:25:00	192.168.10.116		20000101005655	Port 15	1.21.B005	A1
V 0	DGS-1510-28P	Switch	Switch	C4:A8:1D:0F:E7:20	192.168.10.117		20000101012712	Port 23	1.30.8019	A1
Υ 💿	DWL-6600AP	Access Point	D-Link AP	FC:75:16:77:86:40	192.168.10.102		20160701124846	LAN1	4.2.0.9B0350	1
	DWI CCIDAD		D.I. I.AD	30 15 04 54 10 00	100 100 10 105		20160701124002	1.4.8.14	1201	



## [enabling the Stacking & Stacking together]

Click on the IPv4 Address and your browser will directly open the device.

Devi	ce List	Alarms(7)							
D	evice l	list							
	Status	Model Name	Product Type	Device Name	MAC	IPv4	IPv6	Device Time	
		DGS-1510-20	Switch	Switch-1510-xx	9C:D6:43:FE:67:E8	192.168.10.6		20160701105027	F
	•	DGS-1510-20	Switch	Switch	D8:FE:E3:9C:E3:B8	192.168.10.5		20000118000711	F
~		DGS-1510-28	Switch	Switch	70:62:B8:3D:25:00	192.168.10.116	>	20000101005816	F
~		DGS-1510-28P	Switch	Switch	C4:A8:1D:0F:E7:20	192.168.10.117		20000101012832	ł
	0	DWL-6600AP	Access Point	D-Link AP	FC:75:16:77:86:40	192.168.10.102		20160701125023	L
	•	DWL-6610AP	Access Point	D-Link AP	3C:1E:04:FA:1B:C0	192.168.10.105		20160701125018	l
	۲	DXS-3400-24TC	Switch	Switch	E8:CC:18:15:9C:98	<u>192.168.10.114</u>		20140225211523	ł
ŀ	nttp://19	92.168www/logi	in.html $ imes$	+					
+	) ()	192.168.10.11	6/www/login	.html					
$\sim$									

Login with default credentials "admin & admin"

- $\Rightarrow$  Do NOT configure anything else, except the stacking right now.
- ⇒ Enabe Stacking Mode & Apply

DGS-1510-28	× (+						-	0 X
🗲 🎤 🖬 🖉 🛙 192.168.10.1	16/www/main.html?RpWebID=nFy57u4F	F3wrpYwrArEU		C Q Such	ien	☆自 ♣	<b>^ 9</b>	, ≡
D-Link Building Networks for People	D'Link swartho Swror Constitue provide Reset Dross-ristio-2# Wizard Online Help - Enclish				Stack ID	Logged in as: Ad	Refre 10 s Iministrator,	sh Interval ecs 🔽
Fuzzy Search	Physical Stacking						_	
DGS-1510-28     System     System     System     Suser Accounts Settings     Password Encryption	Physical Stacking Stacking Mode	Enabled	O Disabled				App	ly
E Cogn Method SNMP E SNMP E SNMP TeinetWeb	Trap State	Enabled	<ul> <li>Disabled</li> <li>Disabled</li> </ul>				Арр	ly
Session Timeout  Session Timeout  DHCP  DHCP  DHCP Auto Configuration  Configuration  DNS	Current Unit ID 1	<b>v</b>	New Box ID	1	Priority (1-63)	5	App	ly
IP Source Interface     File System     Physical Stacking	Topology: Master ID: Box Count:	Duplex_Chain 1 1		My Box ID: BK Master ID:	1			
Given Stacking (SIM)     D-Link Discovery Protocol     Given L2 Features	Box ID         User Set           1         Auto	Module Name DGS-1510-28	Exist Priority Exist 32	MAC 70-62-B8-3D-25-00	PROM Version 1.00.012	Runtime Version 1.21.B005	H/W Vers A1	ion

- Afterwards you already can configure the Unit/Box ID (which defines the Ports in a Stack)
  - BoxID 1 = Unit 1 f.e. Ports eth 1/0/x
  - BoxID 2 = Unit 2 f.e. Ports eth 2/0/x
- ⇒ Priority defines the MASTER of the Stack (the lowest ID is Master)



DGS-1510-28 × +							- 0 ×
( ↓ ) 192.168.10.116/www/ma	ain.html?RpWebID=nFy57u4l	F3wrpYwrArEU		C Q Suc	hen	☆ 自 ♣	<b>^ 9 ⊽</b> ≡
D-Littk Building Networks for Pagela	Clink SwartPic Switch				1000 Unk Act		Refresh Interval
Save - X loois - 💀 Wizard	Online Help  English	~				Logged in as: A	Administrator, 😕 Logout
Fuzzy Search	Physical Stacking		_			_	_
DGS-1510-28      System     Management     User Accounts Settings	Physical Stacking Stacking Mode	Enabled	O Disabled				Apply
Passwin de hichyphon     Gogin Method      Gogin Method      Gogin Method      Gogin Method      Gogin Method      Tainet/Web	Stack Preempt Trap State	Enabled Enabled	<ul> <li>Disabled</li> <li>Disabled</li> </ul>				Apply
Session Timeout  DHCP DHCP Auto Configuration  DHCS	Stack ID Current Unit ID 1	~	New Box ID	1 🗸	Priority (1-63) 5		Apply
Im TTP     Pource Interface     File System     Physical Stacking	Topology: Master ID: Box Count	Duplex_Chain 1 1		My Box ID: BK Master ID:	-		
	Box ID         User Set           1         Auto	Module Name DGS-1510-28	ExistPriorityExist32	MAC 70-62-88-3D-25-00	PROM Version 1.00.012	Runtime Version 1.21.B005	H/W Version A1
DGS-1510-28 X +	ain.html?RpWebID=nFy57u4F	F3wrpYwrArEU		C Q Such	ien .	☆ 自 ♣	- □ ×
D-LEARK Building Networks for People	Console or Reset Console GS-1510-28 Online Help Console				Stack ID	Logged in as: Ac	Refresh Interval 10 secs 💟 dministrator, 💯 Logout
Fuzzy Search	Physical Stacking		_				
DGS-1510-28  System Management Management	Physical Stacking Stacking Mode	Enabled	O Disabled				Apply
Bost Accounts Settings     Password Encryption     Dogin Method     SIMP     SIMP     SIMP	Stack Preempt Trap State	Enabled Enabled	<ul> <li>Disabled</li> <li>Disabled</li> </ul>				Apply
<ul> <li>              TeinetWeb             Session Timeout             <i>i i</i></li></ul>	Stack ID Current Unit ID 1	~	New Box ID	1	Priority (1-63) 5		Apply
<ul> <li>■ DNS</li> <li>■ NTP</li> <li>■ P Source Interface</li> <li>■ File System</li> <li>■ Physical Stacking</li> </ul>	Topology: Master ID: Box Count:	Duplex_Chain 1 1		My Box ID: BK Master ID:	1		
P Virtual Stacking (SIM)     D-Link Discovery Protocol     E 2 Features	Box ID User Set 1 Auto	Module Name DGS-1510-28	Exist Priority Exist 32	MAC 70-62-B8-3D-25-00	PROM Version 1.00.012	Runtime Version 1.21.B005	H/W Version A1

After configuring the stacking options, save the config and reboot the switch.

(When you use older FW-Version the WebGUI Stacking Option MAY not work for enabling!)

📲 Save 🗸 🙀 Tools 🗸 🐞 Wiza	d 🔮 Online Help 👻 Enqlish 🔽	🧟 Logged in as: Administrator, 👰 Logo
Fuzzy Search	Save Configuration	
DGS-1510-28	Save Configuration	
System     Management     Iser Accounts Settings	File Path C:/config.cfg	Apply
Password Encryption		

In the Tools menu you'll find the Reboot System Option.

Save - XTools - Wizard	Online Help 👻 English 💟	🕵 Logged in as: Administrator, 👰 Logout
uzzy Search	Reboot System	
DGS-1510-28     System     Management     User Accounts Settings     Password Encryption     Loop (Atched)	Reboot System Do you want to save the settings ? • Yes O No If you do not save the settings, all changes made in this session will be lost.	Reboot

After rebooting the System you'll see the settings



In this example 2 Switches will be stacked together. The BoxID and Priority is manually set.

🗲 🎤 🖿 🖉 🛛 192.168.10.117/w	ww/main.html?RpWebID=2tnD50an	aeX7zuwyJXXi			C Q Such	en	T	<u>۱</u>	+	r e	•	≡
<b>D-Link</b> Building Networks for People	D-Link SwaarsPiro Switch Console Wet Fan Profile Mode Pan Profile Bases			16 E 20 21 22 E 22 1%	NOOM LINK Act NOOM LINK Act ES ES	Pocos Link Act E E E E Stacl	<b>1</b> 0			R 1	efresh Ini O secs	ierval
📲 Save 👻 🐐 Wiz	zard 🌒 Online Help 👻 English	×					<mark>.</mark> L	ogged in	as: Adr	ninistrator	🙋 เ	Logout
Fuzzy Search	Physical Stacking		_	_	_	_	_	_	_	_	_	
OS-1510-28P     System     Vargement     User Accounts Settings     Password Encryption     Oser Manual Method     SNMP     SNMP	Physical Stacking Stacking Mode Stack Preempt Trap State	<ul> <li>Enabled</li> <li>Enabled</li> <li>Enabled</li> </ul>	<ul> <li>Disabled</li> <li>Disabled</li> <li>Disabled</li> </ul>								Apply Apply	
HardWeb     Session Tracut     Session Tracut     DHCP     DHCP Auto Configuration     ONS     ONS     FIN System     Fin System     Fin System	Stack ID Current Unit ID 1 Topology: Master ID: Box Count	V Duplex_Chain 1	New Box ID	2 My Box I BK Mast	D. Ler ID:	Priority (1-63) 1	10				Apply	$\mathbf{h}$

#### Repeat all Steps at all Switches you want to stack together.

After the reboot of the switches you need to remove all connections, except your uplink to your client, and need to connect the 10GBit Stacking connection.

If you fail to do so you will have immediately a Loop inside your network!

The DNA now will only show you the MASTER Unit of the stack.

evice	List							Ø	Refresh 3	Search		
Status	Model Name	Product Type	Device Name	MAC	IPv4	IРvб	Device Time	Interface	FW Version	HW Version	Serial Number	IP Mod
	DGS-1510-20	Switch	Switch-1510-xx	9C:D6:43:FE:67:E8	192.168.10.6		20160701111119	Port 74	1.30.B019	A1	F	Static IF
	DGS-1510-20	Switch	Switch	D8:FE:E3:9C:E3:B8	192.168.10.5		20000118002802	Port 15	1.30.B019	A1		Static IF
-	DGS-1510-28	Switch	Switch	70:62:88:3D:25:00	192.168.10.116		20000101000830	Port 87	1.30.B019	A1	**	DHCP
- 0-	DGS-1510-28P	Switch	Switch	C4:A8:1D:0F:E7:20	192.168.10.117		20000101000242	Port 87	1.30.B019	A1	370112	DHCP
۲	DWL-6600AP	Access Point	D-Link AP	FC:75:16:77:86:40	192.168.10.102		20160701130957	LAN1	4.2.0.9B0350	1	۲ I	DHCP
•	DWL-6610AP	Access Point	D-Link AP	3C:1E:04:FA:1B:C0	192.168.10.105		20160701131039	LAN1	4.3.0.4	A1	(c	DHCP
	DXS-3400-24TC	Switch	Switch	E8:CC:18:15:9C:98	192.168.10.114		20140225213614	Port 22	1.00.037	A1	R	DHCP



When Accessing the Switch now by WebGUI of the Master, you'll see in Stackin Mode now all the Units.

♦ ₽ ■ > 0   192.168.10.116/www/ma	in.html?RpWebID=QU8i73a	rgukzAlAj9L6N		C Q Suc	hen	☆自↓	* 9 5	≡
D-LIPER Building Natworks for People	Console Con				Stack ID	Logged in as: Ad	Stack ID 1 Refresh Ir 10 secs ninistrator, 22	nterval
Fuzzy Search	Physical Stacking							
OCS-1510-28     OSsystem     Ossystem	Physical Stacking Stacking Mode Stack Preempt Trap State Stack ID Current Unit ID 1	Enabled     Enabled     Enabled     Enabled	Disabled     Disabled     Disabled     New Box ID	Auto	Priority (1-63)		Apply Apply Apply	
B Conservation	Topology: Master ID: Box Count: Box ID Ceer Set 1 User 2 User	Duplex_Chain 1 2 Module Name DGS-1510-28 DGS-1510-28P	Exist Priority Exist 5 Exist 10	My Box ID: BK Master ID: 7 MAC 70-62-88-3D-25-00 C4-A8-1D-0F-E7-20	1 2 PROM Version 1.00.012 1.00.012	Runtime Version 1.30 B019 1.30 B019	Hiv Vorsion A1 A1	

As of now your stack setup is done and you can configure the Stack as you wish.



### [FW Update of a Stack using DNA]

IF you later on want to down/upgrade the Stack via the DNA, you simply follow the beginning of this HowTo again.

In this example we "downgrade" the whole stack to 1.30B18 using the DNA.

Please ensure to wait for the till the whole process is finished, since the update/downgrade now takes longer as the firmware is pushed to all stack member now.

Firmware Upgrad	e	2 Confirm Summary
TFTP IP	192.168.10.101 v	
Upgrade Selection	Use one firmware file for all devices	Use a different firmware file for each device

È	Result					Search	٩
2	Result	Model Name	MAC	IP Address	Details		
t	<b>I</b>	DGS-1510-28	70:62:B8:3D:25:00	192.168.10.116	Success!		

Afterwards reboot the Stack with the "Reboot" option of the DNA.

When checking now the stack and its Firmware you'll see the new Firmware active on all Units.

Master ID:		1			BK Master ID:	2		
Pox Count		2						
Box Count.		2						
_								
Box ID	User Set	Module Name	Exist	Priority	MAC	PROM Version	Runtime Version	H/W Version
1	User	DGS-1510-28	Exist	5	70-62-B8-3D-25-00	1.00.012	1.30.B018	A1
2	User	DGS-1510-28P	Exist	10	C4-A8-1D-0F-E7-20	1.00.012	1.30.B018	A1
3	-	NOT EXIST	No	-	-	-		-



# [FW Update of a Stack using WebGUI]

This way only works, when you haven't modified the Boot-File before on the switches.

If you have done so, please consult the manual to revert the settings.

Go to the Firmware Upgrade Menu on the Stack-Master and choose f.e. Upgrade from HTTP

Save 🔻 🔨 🚺 Wizard	🔮 Online Help 👻 English 🗹
Fuzzy Search □ DGS-1510-28 □ □ System □ □ Management □ □ L2 Features □ □ L3 Features □ □ CoS	Firmware Upgrade from HTTP       Unit       Source File       Durchsuchen       Destination File
<ul> <li></li></ul>	

Select the Source file on your local PC.

Also you <u>MUST</u> choose for Units "ALL", so that all units will be upgraded together, otherwise only the selected unit will be updated.

Add as the destination file the string "c:/runtime.had" and press "upgrade" to start the process.

The WebGUI might not respond/change for some minutes. Please wait patiently till the upgrade display is being shown.

Firmware Upgrade from HTTP	
Please wait, programming flash	
20%	

After the reboot of the stack, the Firmware is updated on all Units.