Setup guide for OLT and ONU in Bridge Configuration

AirLive XGSPON OLT-2XGS and ONU-10XG(S)-AX304P-2.5G, ONU-10XG(S)-1004-10G

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## How to setup the OLT and ONU in Bridge Mode in combination with a Router.

For the setup an AirLive GPON OLT-2XGS and an Airlive ONU-10XG(S)-AX304P-2.5G and ONU-10XG(S)-1004-10G were used.

The setup is following the below diagram, please do **not** use VLAN: 0, 1, 2, 9, 8, 10, 4000, 4005, 4012-4017, 4095.



Setup Steps: NOTE there are 2 different ways to setup bridge mode. Both will be shown in this guide. As **Setup 1** and **Setup 2**, Setup 1 uses WAN port, Setup 2 uses PortVLAN.

## SETUP 1 for ONU-10XG(S)-AX304P-2.5G and ONU-10XG(S)-1004-10G.

1: Login to the OLT management web interface. The default IP is 192.168.8.200 using the AUX port. Make sure the PON mode is the correct one for the ONU used.

2: If we want to configure ONU access the Internet, we need to create a VLAN in OLT first.

- 3: Create a VLAN 100 (for this example) for Internet.
- 4: VLAN bindings for uplink GE port

please note: If the uplink port is in the untag mode, PVID (default VLAN id) needs to be configured (100 in this example).

5: Open ONU list page, Select the PON port where ONU is located. Find out what ONU you want to configure. Check the ONU status and ensure the ONU is in Online state.

6: Click on the ONU configuration page to configure "tcont", "gemport", "Service", "Service Port" and other parameters.

- 7: On the "port VLAN" page, for ONU, the Mode needs to be configured for "transparent", Port Type needs to be configured for "veip" and Port Id needs to be configured for "1".
- 8: Then we need to create an Internet WAN connection for it, click on "WAN" page.

WAN setup select "Bridge" Mode and VLAN mode select Tag and enter the VLAN ID, in this example 100. VLAN Cos should be 0. Service mode is Internet. Please "Submit" and again press the second "Submit" button ones the configuration is shown in the "WAN Connect running-config"

Please note: When the configuration is complete, you need to click the "Submit" button. At this point, the configuration is added to running-config list. Finally click the "submit" button.

9: You can configure ONU DHCP Server on "DHCP server" page, this should be disabled.

10: Press "SAVE" in the top bar of the OLT so save the complete configuration.



1: In the OLT Configuration select "VLAN" and make a VLAN ID in this example we make VLAN 100.

airli▼e®	VLAN VLAN Port QinQ/Translation
OLT Information	New VLAN
OLT Configuration VLAN Uplink Port PON	Mode     single       VLAN ID     100       Description     VLAN100       Add     Delete
LACP QoS	VLAN Table
ACL	VLAN ID Description Edit Delete
IPv6 ACL	1 default 🖉
IGMP	
IPv6 MLD	
STP	
Loopback	
DHCP	

2: Bind the Uplink GE port go the "VLAN" >> "VLAN Port", in this example all ports were bind to the VLAN 100. Make sure the Uplink is in "Untag" mode.

airlive®	VLAN VL	AN Port	QinQ/T	ranslatio	n	
OLT Information	Port VLA	N Configu	ration			
OLT Configuration	VLAN ID	ſ	100		~	
VLAN	Port ID	Mode	Fo	rbidden	Tag	Untag
Uplink Port	GE0/1	Hybrid	~	0	0	۲
PON	GE0/2	Hybrid	~	0	0	
MAC	GE0/3	Hybrid	~	0	0	
LACP	GE0/4	Hybrid	~	0	0	
QoS		Submit	Reset		<u> </u>	
ACL	Dort VI A	Tablo	Reset			
IPv6 ACL	POILVEA	Table				
IGMP	VLAN ID	Tag Ports	Untag	Ports		
IPv6 MLD	1		GE1 G	E2 GE3 G	6E4	
STP	100		GE1 G	E2 GE3 G	6E4	
Loopback						

3: When the Uplink port is in "Untag" mode, the PVID (default VLAN id) needs to be configured. Go to "Uplink Port" >> "Configuration". Change the PVID for the uplink to 100 (in this example).

oirlive														
	Informatio	on Optical I	Information	Perf-Stats Info	orma	tion	on Configuration		on Perf-Stat	s Configuratio	n Protection S	witch Group		
OLT Information	GE Configuration													
OLT Configuration							-	Sto	rm(0 64-1000	1000fps)	Rate(0 64-10	0000000kbps)		
VLAN	Port ID	Description	Admin Status	Speed		Isolate	PVID		Broadcast	Multicast Unknown Unica		t Ingress	Egress	
Uplink Port	GE0/1			Auto	~		1	~	512	0	512	0	0	
PON	GE0/2			Auto	~		1	~	512	0	512	0	0	
MAC	GE0/3			Auto	~		100	~	512	0	512	0	0	
LACP	020/0		-		=		100	_		<u> </u>	512		Ě	
QoS	GE0/4			Auto	~		1	~	512	0	512	0	0	
ACL	Submit	Reset												
IPv6 ACL														
IGMP														
IPv6 MLD														



Make sure the ONU has been connected to the OLT via its PON port and a Splitter. Click ONU "AuthList" it could that your ONU has already been automatically added, if this is the case you can go to step 5 directly. If not follow the steps below.

Click on "ONU Configuration" and select "ONU Autofind" when your ONU has been connected correctly. It will show up here. Select the ONU you want to add (when there are several) and click on "Add".

airlive®	
	Automatic Discovery Aging Time
OLT Information	Automatic Discovery
OLT Configuration	
ONU Configuration	Port ID PON1
ONU AuthList	Search Info Search
ONU AutoFind	
ONU AutoLearn	Refresh Confirm All
ONU Upgrade	Index Sn SnPw loid loiday Action
Rogue ONU	1 GRON000004c 1234567890 user NULL Add
Profile Configuration	
System Configuration	

Click on "Submit" on the next page which will automatically appear.

airli▼e®		
	Automatic Discovery	Aging Time
OLT Information		
OLT Configuration	Add Onu	
ONU Configuration	PON Num	
ONU AuthList		
ONU AutoFind	ONU Num	3
ONU AutoLearn	Auth Mode	Sn 🗸
ONU Upgrade	Onu Sn	GPON000004c
Rogue ONU		
Profile Configuration	ONU Profile	default 🗸
System Configuration	Submit Back	

The ONU will now be shown and when connected correctly will show "Enable"

airli▼e®								Save 🔵	Log			
	Automatic Dis	covery Agin	g Time									
OLT Information	ONU Status	Information										
OLT Configuration		( north										
ONU Configuration	Port ID	Port ID PON1 V										
ONU AuthList	total-3, logo	total-3, logging-0, offline-0, syncMib-1, configFail-0, working-2										
ONU AutoFind	Refresh											
ONU AutoLearn	ONU ID	Admin State	OMCC State	Phase State	Description	Last Register Time	Last Deregister Time	Last Deregister Reasor	Alive Time			
ONU Upgrade	GPON0/1:1	enable	enable	working	Ν/Α	1970:01:01 08:01:17	ν/Δ	N/A	02:33:36			
Rogue ONU	CDON0/1-2	anabla			N1/A	1070-01-01 00-01-16	NI/A	N/A	02:00:07			
Profile Configuration	GPON0/1:2	enablé	enable	working	N/A	19/0:01:01 08:01:16	IV/A	N/A	02:33:37			
System Configuration	GPON0/1:3	enable	enable	syncMib	N/A	N/A	N/A	N/A	N/A			



5: Configure the ONU, Click on the "ONU List" in the top right corner of the OLT menu bar.

The active ONU's will now be shown, select the ONU you want to configure (make sure the status is "Online") and click on the "Config" button.

<u>oirlive</u>								9	Save	•	Log	Status	ONU list	Logout	
	ONU List ON	VU Statu	s ONU Op	tical Inf	ormatior	n ONU Ve	ersion I	Information	ONU Manu	al Add (	ONU Allowlist	ONU S	tatistics		
OLT Information	ONU Authen	tication	Informatio	on											
OLT Configuration	Port ID	PON	1	~	1										
ONU Configuration	101110		-		)										
Profile Configuration	Search Mode	All		~		and a									
System Configuration	ONU Count	1/1			Sea	irch									
	Delete All Delete Offline Refresh														
	ONU ID	Status	Description	Model	Profile	PON Type	Mode	Info	Action						
	GPON0/1:1	Online	GPON0/1:1	H365	default	XG-PON	SN	GPON00dc720	Config	eactivate	<u>Delete</u> Modi	fy Optic	al Info D	etail Info Rel	poot
	<u> </u>														

6: Setup the "tcont", "gemport", "Service", "Service Port" and other parameters.

Setup the "tcon" default value is 1, in this example for name, the name test was used.

airlive®	ONU List ONU Status ONU Optical Information ONU Version Informatio
OLT Information	Tcont Gemport Service Service Port PortVLAN Multicast Port
OLT Configuration	Security Loopback Detection H 248 MAC ACL
ONU Configuration	ONU Treat Information (CLOTIC DONIC ONUCL)
Profile Configuration	OND TCONT INFORMATION (SECT:0 PON:1 OND:1)
System Configuration	Tcont ID Name DBA Profile Action
	1 test default1 <u>Delete</u>
	Add ONU Tcont
	Tcont ID 2
	Tcont Name
	DBA Profile Name default1
	Commit

Setup the "gemport" the default value is 1, make sure the TcontID select is 1 (the one previously made. The name used in this example is test.

airlive	ONU List ONU Status ONU Optical Information ONU Version Information ONU Manual Add ONU Allowlist
OLT Information	Tcont Gemport Service Service Port PortVLAN Multicast Port IP Host IGMP MAC WAN I
OLT Configuration	Security Loophack Detection H 248 MAC ACL
ONU Configuration	
Profile Configuration	
System Configuration	Gemport ID Name Tcont Downstream Action
	1 test 1 default <u>Delete</u>
	Add ONU Gemport
	Gemport ID 2
	TcontID 1
	Gemport Name
	Downstream Traffic default
	Commit



Setup the "Service", make sure to select Gemport ID 1 (the one just made) and for VLAN mode select "Tag" for "VLAN List" enter the value 100, this is the VLAN id made in the OLT previously.

oirlive®	ONU List ONU	U Status ONU Optical Information ONU Version Information ONU Manual Add ONU Allowlist
OLT Information	Tcont Gempo	ort Service Service Port PortVLAN Multicast Port IP Host IGMP MAC WAN DI
OLT Configuration	Security Loon	phack Detection H 248 MAC ACL
ONU Configuration	ONU Comico I	
Profile Configuration	UNU Service I	Information (SLUT:0 PON:1 ONU:1)
System Configuration	ServiceName	Gemport VLAN Mode VLAN List CoS List Port Action
	ser_1	1 Tag 100 N/A N/A Delete
	Add ONU Serv	vice
	ServiceName	ser_2
	Gemport ID	1 •
	VLAN Mode	Tag V
	VLAN List	100 (X,X or X-X;0 for all;max 12 VLANs)
	CoS List	N/A (X,X or X-X;)
	PortType	N/A V
	Commit	

Setup the "Service Port" enter the User VLAN and Translate VLAN in this example both are 100. (as this example is using VLAN 100).

airlive												5	ave	•
	ONU List ON	U Status (	ONU Optica	Informa	tion ONU	Version In	format	ion O	NU Mai	nual Add	ONU	Allowlist	ONU Stat	istics
OLT Information	Tcont Gempo	ort Service	Service	Port	PortVLAN	Multicast	Port	IP Ho	st I	GMP I	мас и	VAN DH	CP Server	WiFi
OLT Configuration	Security Loo	nhack Detect	ion H 24	18 MAC	ACI									
ONU Configuration	ONUL Complete	Doub Info (6												
Profile Configuration	UNU Service	Port Inio (:	SLUT:U PU	N:I UNU	:1)									
System Configuration	Service Port	Gemport ID	Begin Vid	End Vid	Outer Vid	Inner Vid	VLAN	SVLAN	Mode	Enable	Descrip	tion Action	,	
	1	1	100	100	N/A	N/A	100	N/A	1:1	YES	N/A	Delet	2	
	Add ONU Ser Service Mode Service Port 1 Gemport ID User VLAN Translate VLA Description Commit	CVLAN CVLAN D 2 1 AN N/A												



Setup the "PortVLAN" On the "PortVLAN" page, for HGU the mode needs to be configured for "transparent", the Port Type needs to be configured for "veip" and Port Id needs to be configured for "1".

oirli <b>v</b> e®								Save 🧲	) L	og Sta	atus <mark>ONU lis</mark> t	Logout
••••••	ONU List	ONU Status	ONU Opt	ical Informatio	on ONU Version Ir	formation ONU M	Ianual Add ONU /	Allowlist ONU Statistic	CS			
OLT Information	Tcont Ge	mport Serv	ice Serv	vice Port Por	rtVLAN Multicast	Port IP Host	IGMP MAC W	AN DHCP Server	ViFi VoIP	SIP PO	OTS Misc	FR069
OLT Configuration	Security	Loopback Dete	ection H	1.248 MAC A	ACL							
ONU Configuration	ONU Port	VI AN Info (S		N:1 ONU:1)								
Profile Configuration		VEAT THIS (5	201.010									
System Configuration	PortName	PortName Mode VLAN VLAN Priority(tag)		AN iority(tag)	Default VLAN(hybrid)	Default Priority(hybrid)	CVLAN(translate	) CVLAN Priority(translate)	SVLAN(trans	late) SV Pr	VLAN iority(translate)	Action
	veip_1	Transparent	N/A N/	Ά	N/A N/A N/A N			N/A	N/A		/Α	<u>Delete</u>
	Add ONU	PortVLAN										
	Mode	Transparent	``	•								
	PortType	Eth	``	•								
	Port Id											
	Commit											

When using Setup 2 these PortVLAN settings will be different. When you would like to use PortVLAN as your bridge setup please go to page 11 of this guide.



7: Setting up the WAN port information, select "WAN" on the menu page. The Mode is Bridge, Select the IP version you would like to use IPv4, IPv6 or IPv4/IPv6. Then select the VLAN mode "Tag" in this example and fill in the VLAN information in this example 100, VLAN Cos should be 0. And choose service mode is "Internet".

Please note: When the configuration is complete, you need to click "Submit" button. At this point, the configuration is added to running-config list. Finally click the "submit" button to send the configuration to the ONU. Refresh the OLT page and in a few seconds the configuration will be shown. It can take 1/2 min(s) before it will show "connected" when the configuration has been setup correctly.

oirlive										Save	•		Log	Status	ONU lis	Logou	1
	ONU List	t ON	U Status	ONU Optical Ir	nformation (	NU Version Inform	nation ONU	Manual Ado	d ONU Allow	vlist ONU St	atistics						
OLT Information	Tcont	Gempo	rt Servi	ce Service Po	ort PortVLAN	Multicast P	ort IP Host	IGMP	MAC WAN	DHCP Serve	r WiFi	VoIP	SIP	POTS	Misc	TR069	
OLT Configuration										_							
ONU Configuration	Security	LOO	pback Dete	ction H.248	MAC ACL												
ONU AuthList	WAN	Connec	t Table (S	LOT:0 PON:1 (	ONU:1)												
ONU AutoFind	Index	Mode	IP Version	Service Mode	Status	MAC Address		C	onfiguration Ir	nformation							
ONU AutoLearn							QoS Enabl	e:enable,M	1TU:1500,Conr	nect Mode:DHC	P, NAT:dis	able,					
ONU Upgrade	1	route	IPv4	TR069	Disconnected	00:4F:5B:00:0A	:50 VLAN Mod	e:Tag,VLAN	NID:46, VLAN	CoS:255,							
Rogue ONU							QinQ Enab	ie:disable,									
ONU Common Service	WAN C	Connec	t Paramet	er Configurati	on												
Profile Configuration	WAN I	ndex		NEW	~												
System Configuration	Mode			bridge	~												
	IP Vers	sion		IPv4/IPv6	~												
	VLANU	Mode		Tag													
	VLANI	Indue		100		agio 400E Tranco	araptil 400E)										
	VLAN	10 CoE		100		ag.0-4095, italisp	arent.1-4095)										
	OinO	Enable		Disable													
	OinQ I		. L		,	-65534)											
	SVIAN			0	(1	-4095)											
	SVLAN	1005		0	()	1000											
	JVDAN	1005		0													
	MTU			1500	(57	5-1500)											
	QoS E	nable	_	Disable	~												
	Servio	e Mode	_ r	Internet	~												
					_	_											
	Port Bi	inding		ULAN1 UL	AN2 ULAN3	LAN4		O (	<b>—</b>								
			[	Submit	SID2 USSID:	3 ∪SSID4 ∪SS	ID5 USSID6	USSID7 (	SSID8								
	WAN C	Connec	t running-	config													
	Subm Index	it ONU r	unning-con	fig Delete													



Important after pressing "Submit" your configuration is made but not yet sent to the ONU.

After pressing "Submit" the configuration will be shown as in the below example. Click "Submit" again on the second "Submit" button and the configuration will be sent to the ONU.

S	Service Mode	Internet	
	Port Binding VAN Connect running Submit	LAN1 LAN2 LAN3 LAN4 SSID1 SSID2 SSID3 SSID4 SSID5 SSID6 SSID7 SSID Submit	8
I	(ndex	ONU running-config	Delete
	1 Connect Type:bi VLAN Mode:Tag, QinQ Enable:dis	ridge,IP Version:IPv4/IPv6,Service Mode:Internet,QoS Enable:disable,MTU:1500, ,VLAN ID:100, VLAN CoS:0, able,	İ

The configuration will now be sent to the ONU and the ONU will make an Internet connection. When the setup was done correctly the words "Connected" will be shown.

Note it can take 1 or 2 minutes before the correct information is shown, please refresh the page.

oirli <b>v</b> e®		Save	•	Log	Status	ONU list Logout
	ONU List ONU Status ONU Optical Information ONU Version Information ONU Manual Add ONU Allow	list ONU Sta	tistics			
OLT Information	Tcont Gemport Service Service Port PortVLAN Multicast Port IP Host IGMP MAC WAN	DHCP Server	WiFi	VoIP SIP	POTS	Misc TR069
OLT Configuration		bildi ballar				1100
ONU Configuration	Security Loopback Detection H.248 MAC ACL					
ONU AuthList	WAN Connect Table (SLOT:0 PON:1 ONU:1)	_				Î
ONU AutoFind	Index Mode IP Version Service Mode Status MAC Address Configuration Information					
ONU AutoLearn	OoS Enable:disable.MTU:1500.					
ONU Upgrade	1 bridge IPv4/IPv6 Internet Connected 00:4F:5B:00:0A:50 VLAN Mode:Tag,VLAN ID:100, VLAN	CoS:0,				
Rogue ONU	QinQ Enable: disable,					
ONU Common Service	WAN Connect Parameter Configuration					
Profile Configuration	WAN Index NEW 🗸					
System Configuration	Mode v					
	IP Version IPv4/IPv6					
	VI AN Mode					
	VI AN ID 100 (Tag: 0-4095: Transparent: 1-4095)					
	VLAN CoS 0 (0-7)					
	Oino Enable Disable V					
	QinQ TPID 0 (1-65534)					
	SVLAN ID 0 (1-4095)					
	SVLAN CoS 0 (0-7)					
	MTU (576-1500)					
	QoS Enable V					
	Service Mode					
	Port Binding OLAN1 OLAN2 OLAN3 OLAN4					
	SSID1 SSID2 SSID3 SSID4 SSID5 SSID6 SSID7 SSID8					
	Submit					
	WAN Connect running-config					
	Cubmit					
	Index ONU supping-config Delete	1				
	Connect Type/bidge ID Version/Du4/IDu6 Convice Medeulatemet OoC Epoble/disable MTU/1500					
	1         VLAN Mode:TagyUAAN ID:100, VLAN CoS:0, QinQ Enable:disable,					

When the Status is shown as "Connected" it means the ONU will have an Internet connection.



To receive the IP address from the Router on the computer, which is connected to the ONU, please make sure the DHCP server on the ONU is turned off. If this is not the case, the computer will get an IP address from the ONU and Internet will not work correctly.

In the setup menu select "DHCP Server", at DHCP Server select "Disable" from the pull-down menu and press Submit. After 1 to 2 mins the computer connected to the ONU will receive an IP address from the Router. If this is not the case, then please unplug the RJ-45 cable from the computer and plug it back in.

When the DHCP Server is already disabled no settings need to be changed.

• • ®							Save		Log	Statue	ONULlist	Logout
OILI AG									LUG	Status		
	ONU List ONU Status	ONU Optical Information	ONU Version Info	ormation ONU	Manual Add	ONU Allowi	ist ONU Statis	tics				
OLT Information	Tcont Gemport Serv	vice Service Port Port	LAN Multicast	Port IP Host	IGMP MA	C WAN	DHCP Server	WiFi V	OIP SIP	POTS	Misc T	R069
OLT Configuration	Country Longhads Date											
ONU Configuration	Security Loopback Det	ection H.248 MAC AC	L									
ONU AuthList	DHCP Server Configur	ration (SLOT:0 PON:1 ON	U:1)									i i i
ONU AutoFind	LAN IP Address	192.168.1.1	1									
ONU AutoLearn	LAN Subnet Mask	255,255,255,0										
ONU Upgrade	DHCP Server	Disable 🗸 🗸										
Rogue ONU		Submit										
ONU Common Service	LAN IPv6 Address											
Profile Configuration	Prefix Mode	Static	1									
System Configuration	Static IPv6 Address											
-,	LAN Prefixlen	64	(48-64)									
	DHCP Server IPv6	Enable 🗸	-									
	Preference Time	10000	(0-4294967295)									
	Valid Time	20000	(0-4294967295)									
	Beginning IPv6 Address	0001:0001:0001:0001	(нннн:нннн:ннн	H:HHHH)(Last 64	4 bits of IP add	dress)						
	Ending IPv6 Address	0002:0002:0002:0002	(нннн:нннн:ннн	H:HHHH)(Last 64	4 bits of IP add	dress)						
	Pool Type DNSv6 Master		1									
	DNSv6 Slave		-									
	IPv6 Gateway		-									
	RA	Active										
	Manage	disable 🗸										
	Other	enable 🗸	-									
	Max Interval	600	(1-1800)s									
		1100	11 1 0 0 0 0									

To see the settings of the ONU (which the OLT sent to the ONU), please connect to the ONU with a PC, and enter the default IP address of the ONU in a browser. The default IP address is 192.168.1.1. You would need to enter a Fixed IP address in the network of the computer when the DHCP server of the ONU is turned off.

Setup 1 is now complete.



## SETUP 2 ONLY for model ONU-10XG(S)-1004-10G.

When changing Device Type, D

Device Type

Network

will rel

SFU 🕶

Submit

Before you begin the setup in the OLT, the ONU settings need to change. The ONU needs to be changed from HGU mode to SFU. After this is done the OLT setup can begin.

For Setup 2, follow steps 1 to 6 until the PortVLAN settings, these will be different from Setup 1.

1: Change the ONU-10XG(S)-1004-10G from HGU to SFU. Login to the ONU using its default IP address 192.168.1.1, when your computer does not receive an IP address from the ONU, then use a fixed IP address for the network card of the computer in the IP range of the ONU.

In the main menu of the ONU select, "Management >>> Other Manage" In Device Type select "SFU" from the pull-down menu and click Submit. The ONU will now reboot and change from HGU to SFU. This may take 1 to 2 mins.

			🙁 Logout
		Device Type Config	
i Status	•	When changing Davids Type, Davids will reheat, and all wan connections will be deleted automatically.	
Network	<b>&gt;</b>	Device Type	
ADVANCE SETTINGS			
Security	>	ngu	
Application	•		
🍰 Management	*		
MANAGEMENT			
User Manage			
Device Manage			
Log Manage			
Other Manage			
X Diagnostics	>		
			😢 Logout
		Device Type Config	

connections will be deleted automatically



2: The ONU setup is now complete, now continue with the OLT setup. First follow steps 1 to 6 from Setup 1 until PortVLAN. Setup 2 will be different from this point on.

As the ONU is in SFU mode now the Ethernet port(s) needs to be setup directly.

On the "PortVLAN" page, for the ONU, the Mode needs to be configured as "Tag", PortType needs to be configured for "Eth" and Port Id needs to be configured for each of the ethernet ports of the ONU in this case the ONU has 4 LAN ports all need to be setup here. First Enter "1" for LAN port 1, then enter the VLAN ID which in this example is 100 and press commit. Now the same thing needs to be setup for LAN port 2. Follow the same steps but now enter "2" at Port Id and press commit again. And again, do the same for ports 3 and 4 and so on. Now the added ports are connected to Internet.

In the below example only LAN port 1 is shown.

airli▼e®											Sav	re 🧲		Log	Status	ONU list	Logout
OLT Information	ONU List	ONU St	atus	ONU Optical Infor	mation	ONU Versio	n Informatio	n ONU N	1anual Add	ONU	J Allowlist C	ONU Statisti	cs				
OLT Configuration	Tcont Gen	nport	Servio	ce Service Port	PortVL	AN Multica	ast Port	IP Host	IGMP M	1AC I	DHCP Server	Misc T	R069	Security	Loopback	Detection	H.248
ONU Configuration	MAC ACL																
	ONU PortV	LAN I	nfo (Sl	OT:0 PON:1 ON	J:1)												
Profile Configuration									1				1				
System Configuration	PortName	Mode	VLAN	VLAN Priority(tag)	VLAN(h	ybrid)	Default Priority(hyb	rid)	CVLAN(tra	anslate)	Priority(tran	slate)	SVLA	N(translate)	Priority(t	ranslate)	Action
	eth_0/1	Tag	100	0	N/A		N/A		N/A		N/A		N/A		N/A		Delete
	Add ONU F	ortVL	AN														
	Mode	Ta	g	~													
	PortType	E	th	*													
	Port Id	1															
	VLAN ID	10	00														
	VLAN Prior	ity N	/A		(0-7)												
	Commit																



3: To receive the IP address from the Router on the computer, which is connected to the ONU, please make sure the DHCP server on the ONU is turned off. If this is not the case, the computer will get an IP address from the ONU and Internet will not work correctly.

In the setup menu select "DHCP Server", at DHCP Server select "Disable" from the pull-down menu and press Submit. After 1 to 2 mins the computer connected to the ONU will receive an IP address from the Router. If this is not the case, then unplug the RJ-45 cable from the computer and plug it back in.

When the DHCP Server is already disabled no settings need to be changed.

airlive®						Save	•	Log	Status	ONU list	Logout
••••••	ONU List ONU Status	ONU Optical Informa	tion ONU Version Ir	nformation ONU	Manual Add ONU A	Allowlist ONU St	atistics				
OLT Information	Tcont Gemport Serv	ice Service Port	PortVLAN Multicast	Port IP Host	IGMP MAC DI	HCP Server Mise	TR069	Security	Loopback	Detection	H.248
OLT Configuration	MAC ACI										
ONU Configuration	MAC ACE										
Profile Configuration	DHCP Server Configur	ation (SLOT:0 PON:	ONU:1)								
System Configuration	LAN IP Address	192.168.1.1									
, ,	LAN Subnet Mask	255.255.255.0									
	DHCP Server	Disable	✓								
		Submit									
	LAN IPv6 Address										
	Prefix Mode	Static	]								
	Static IPv6 Address										
	LAN Prefixlen	64	(48-64)								
	DHCP Server IPv6	Enable	✓								
	Preference Time	10000	(0-4294967295)								
	Valid Time	20000	(0-4294967295)								
	Ending IPv6 Address	0001:0001:0001:000		HHH:HHHH)(Last 6	4 bits of IP address) 4 bits of IP address)						
	Pool Type	PC	2 (nnnn.nnnn.nr		+ bits of IP address)						
	DNSv6 Master										
	DNSv6 Slave										
	IPv6 Gateway	::									
	RA	Active									
	Manage	disable	✓								
	Other Max Internal	enable	✓ (1, 1000)-								
	Max Interval	100	(1-1800)s								-

To see the settings of the ONU (which the OLT sent to the ONU), please connect to the ONU with a PC, and enter the default IP address of the ONU in a browser. The default IP address is 192.168.1.1. You would need to enter a Fixed IP address in the network of the computer when the DHCP server of the ONU is turned off.

The setup 2 is now complete.