



BSNL TIP Partners

Security Guidelines for FTTH customers

Minimum configuration in OLT / ONTs

Change the ONT login Username / Password



WEB Manager

Gateway Name: Household Gateway [Logout](#)

Management	Status	Network	Security	Application	Management	Diagnose	Help
	User Management	Device Management	Log File	Maintain			

User Management

Access Control -- Password

Router Accessment is Controlled by Two Users: admin and user.

User "admin" Take completely control of your DSL Router

User "user" can access your DSL router, browser configuration and lists

Input Max 16 charactors, then click "Save/Apply" to change password. Note: Password should not contains space.

Username:

OldPasswd:

NewPasswd:

AffirmPasswd:

Change the default Username / Password and set new password

Remove the common ports on WAN



WEB Manager

Gateway Name: Household Gateway [Logout](#)

Security | Status | Network | **Security** | Application | Management | Diagnose | Help

WAN Access | FireWall | MAC Filter | Port Filter

Common Port Filter

Port Filter

This page configures the access control of common ports on the upstream and downstream directions.
If you need to control other ports, please configure on the page of port filter.
If WAN access is enable and Specific IP is available, ONT should only allow Specific IP access.
If WAN access is enable and Specific IP is NULL, ONT should allow all IP access.

Service Name	LAN	WAN	WAN PORT	Specific IP
Telnet	<input type="checkbox"/>	<input type="checkbox"/>	23	
Ftp	<input checked="" type="checkbox"/>	<input type="checkbox"/>	21	
Http	<input checked="" type="checkbox"/>	<input type="checkbox"/>	80	
HTTPS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	443	
Tftp	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Ping	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

[Apply](#)

Remove the tick mark against WAN ports

Disable the UPnP configuration

WEB Manager



Gateway Name: Household Gateway [Logout](#)

Application

Status

NetWork

Security

Application

Management

Diagnose

Help

Advanced NAT

UPNP

VOIP

IGMP

MLD

Daily Application

DDNS

UPnP Configuration

Click on Disable

UPnP: Disable Enable

WAN Interface: 1_TR069_VOICE_INTERNET_R_VID_105 ▾

Save

Change the wifi Default Password

syrotech
Let's Fiber.....

WEB Manager

Gateway Name: Household Gateway [Logout](#)

Network

Status **Network** Security Application Management Diagnose Help

Internet Binding LAN IP Address WLAN Remote LOID Configuration QoS Time Router

WLAN Security Settings

SSID Type: FTTH-C7AA ▾

Encryption: WPA2 Mixed ▾

Authentication Mode: Enterprise (RADIUS) Personal (Pre-Shared Key)

WPA Cipher Suite: TKIP AES

WPA2 Cipher Suite: TKIP AES

Group Key Update Timer: 86400

Pre-Shared Key Format: Passphrase ▾

Pre-Shared Key:

[Apply Changes](#)

Dont keep the default password, Change the password

Set the ONT firewall **ON** to **High**



Gateway Name: Household Gateway Logout

Security	Status	NetWork	Security	Application	Management	Diagnose	Help
	WAN Access	FireWall	MAC Filter	Port Filter			

Select **Firewall Level** to set Relevant Settings

Security Level

Attack Protection Configuration

Firewall Level: High ▾

Apply

Block telnet port in the OLT

The screenshot shows the syrotech OLT configuration interface. The top navigation bar includes 'Status', 'ONU list', 'Save', and 'Logout'. The left sidebar contains various configuration options, with 'Login Management' highlighted. The main content area is titled 'Login Access List' and includes sections for 'Login Access Status', 'Login Access List Configuration', and 'Login Access List'.

Login Access Status

Login Access Status: **Enable this Option**

Login Access List Configuration

Filter Action: Deny Permit **Deny IPV4 & Telnet**
Internet Version:
Protocol:
Source IP:
IP Mask:
 Click Add

Login Access List

Filter Action	Internet Version	Protocol	Source IP/mask length\prefix length	Delete
Deny	IPv4	Telnet	0.0.0.0/0	

This list will appear

Enable SSH port in the OLT

The screenshot shows the syrotech OLT configuration interface. The top navigation bar includes 'Status', 'ONU list', 'Save', and 'Logout'. The left sidebar lists various configuration options, with 'SSH' highlighted. The main content area shows the 'SSH Server State' as 'SSH Enable'. Below this, the 'SSH Enable' section contains several input fields: 'SSH' (set to 'Enable'), 'Version' (set to '2'), 'Auth Retries' (set to '6'), 'Timeout' (set to '120'), and 'Modulus' (set to '2048'). A red text prompt says 'Enable SSH Option Select Version 2'. At the bottom of this section are 'Submit' and 'Reset' buttons, with a red text prompt 'Click on Submit'. Below the form is the 'SSH Key Table' section, which contains a table with the following data:

Key type	Encryption algorithm	Key data
ssh-rsa	SHA256	QGFYRLa8Qu9UaKC0DJp0FhqZyTLSEUg69vIJYdsIAc

A red text prompt 'This List will appear' is positioned to the right of the table. A 'Refresh' button is located below the table. The 'SSH' option in the left sidebar is highlighted with a red box.

Change OLT Username and Password

The screenshot displays the syrotech OLT management interface. The left sidebar contains a menu with the following items: OLT Information, OLT Configuration, ONU Configuration, Profile Configuration, System Configuration, System Log, Device Management, User Management (highlighted), SNMP, AUX IP, DNS, System Time, FAN, Mirror, Login Management, SSH, Diagnose, Tacacs+, Radius, and Dot1x. The main content area is titled 'User Manage' and features a blue header with links for '中文', 'Status', 'ONU list', 'Save', and 'Logout'. Below the header, the 'Edit User' form is visible, enclosed in a red box. The form fields are: 'User Name' (containing 'admin'), 'User Password' (masked with dots), 'Confirm Password' (masked with dots), and 'User Role' (a dropdown menu showing 'Admin'). Below the form are 'Edit' and 'Reset' buttons. A yellow box highlights the 'Edit' button. Below the form is a 'User Table' with the following data:

User Name	User Role	Edit	Delete
admin	Admin		

Change the default username and password and set new password

OLT Upgrade Process

1. Because of the OLT firmware which less than V2.03.57R not support change IPv4 to IPv6(via upgrade IPv6 OLT firmware). So pls upgrade the Intermediate version to help to change IPv4 to IPv6. There are the steps :

a) if OLT current firmware less than V2.03.53(R), pls upgrade V1600D_UBI_V2.03.57R.ubi file then reboot olt, and upgrade V1600D_IMG_V2.03.57R.img file, then reboot olt again.

when starting up then upgrade V1600D_V2.03.57R_IPv6_ALLinONE.ubi firmware file and reboot OLT.

b)if OLT current firmware is or over V2.3.53(R) but less than V2.3.57R, pls upgrade V1600D_UBI_V2.03.57R.ubi & V1600D_IMG_V2.03.57R.img ,then reboot OLT, when starting up then upgrade V1600D_V2.03.57R_IPv6_ALLinONE.ubi firmware file and reboot OLT.

c).When OLT current firmware is or over V2.03.57R ,only upgrade the V1600D_V2.03.57R_IPv6_ALLinONE.ubi or any IPv6 firmware file which send from us.

Change ONT Wifi Settings From OLT



中文 Status ONU list Save Logout

- OLT Information
- OLT Configuration
- ONU Configuration
- ONU list**
- Authentication
- Upgrade
- Profile Configuration
- System Configuration

ONU list ONU Status OPM Diag

Information Bandwidth Port VLAN QoS IGMP VoIP SIP POTS Alarm WAN WiFi DHCP Server MAC Info
Advance

EPON 0/1:2 38:94:E0:BD:C7:AA [Go Back](#)

WiFi Switch Configuration

WiFi-2.4G Status	<input type="text" value="enable"/>
WiFi-2.4G Country	<input type="text" value="ETSI"/>
WiFi-2.4G Standard	<input type="text" value="80211bgn"/>
WiFi-2.4G Channel	<input type="text" value="6"/> (ETSI:0-13,FCC:0-11;0:auto)
WiFi-2.4G Transmit Power	<input type="text" value="20"/> (0-20dBm)
<input type="button" value="Submit"/>	

WiFi-5G SSID Configuration

SSID	<input type="text" value="SSID1"/>
Name	<input type="text" value="FTTH-C7AA"/>
WiFi Status	<input type="text" value="enable"/>
Hide Status	<input type="text" value="disable"/>
Network Authentication	<input type="text" value="WPAPSK/WPA2PSK"/>
Encrypt Type	<input type="text" value="TKIP+AES"/>
Shared Key	<input type="text" value="*****"/>
Rekey Interval	<input type="text" value="0"/> (0-4194303 s)
<input type="button" value="Submit"/>	

Select SSID and change SSID Name

Change the default WIFI Password