Singtel

Quick Installation Guide
OPTICAL NETWORK ROUTER

| Technical Specifications

Power adapter input - 100–240 V AC, 50/60 Hz
System power supply - 12V DC, 2A
Operating temperature - 5°C to 45°C
Operating humidity - 5% to 95% RH (non-condensing)
Weight - About 205g
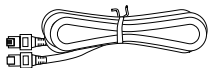System power consumption - < 12W

| Product Overview

Optical Network Router (ONR) has 4 Ethernet ports
& 2 POTS ports.

1. What's in the box?

ONR ··

LAN network cable ····························

Power adapter ·······························
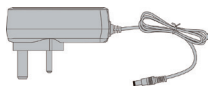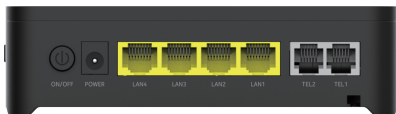
Phone cable ·································

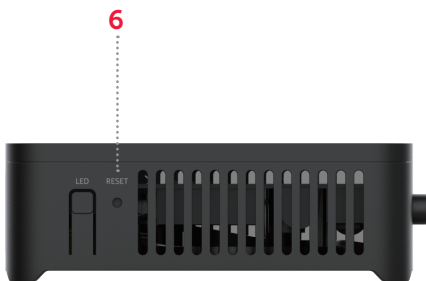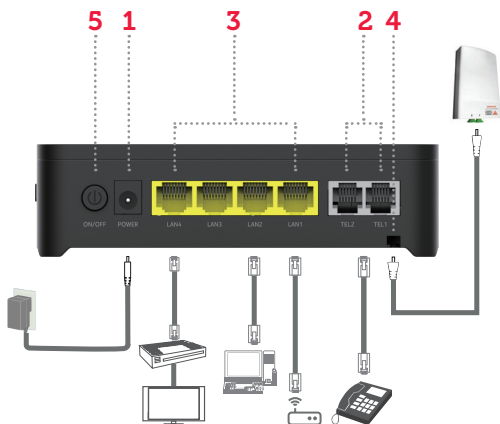This installation guide is also included in the box.

2. Suggested placement of the ONR

⚠ Do not install the ONR outdoors/cabinets which may be exposed to sun or rain.

ONR should be placed horizontally in an open area, such as on your desk. Ports at the back of the ONR should be unobstructed.

3. Connecting cables and devices to ONR

1. Power port
2. Two telephone ports
3. Four ethernet ports
4. Fiber port
5. Power switch
6. Reset button

Step 1: Connect the LAN network cable from the Ethernet port of your device to a LAN port, e.g. Computer.

Step 2: Connect the phone cable from your phone to the assigned TEL port.

Step 3: Connect the power adapter to the ONR's Power port and your home electrical outlet. The Power indicator on the ONR should be green.

⚠ Please connect fiber cable to the ONR only after configuring the FTTH ID (section 4.2).

4. Configuring the ONR

4.1 Logging in to the webpage for configuration

Step 1: Connect your PC to the ONR through the Ethernet port.

Step 2: Enter **http://192.168.1.254** in the address bar of your Internet Browser and press **Enter**. When the login window is displayed, enter username (**admin** by default) and password (printed on the nameplate of the device).
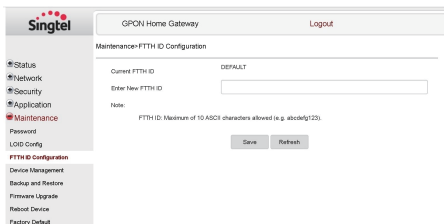
Step 3: Click Login.

⚠ Your session will automatically timeout after 5 minutes of inactivity and you will be required to log in again. Replace your default password with a personal one to avoid unauthorised access.

4.2 Configuring the FTTH ID

Step 1: Choose Maintenance > FTTH ID Configuration.

Step 2: Input the FTTH ID (Use FTTH ID provided by Singtel).

Step 3: Click Save.

4.3 Connecting Fiber Cable to the ONR.

1. Connect one end of the fiber patch cord to the fiber port on the back of the ONR, and secure the optical fiber by fitting it on the holders. Follow the arrows in the diagram for the positions of the holders.

2. Connect the other end of the patch cord to the fiber termination point (FTP).
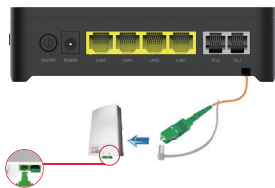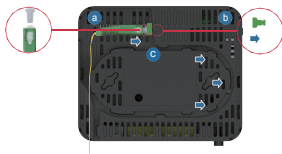
⚠ As the fiber optic cables are made of glass, please do not bend sharply and ensure the bending diameter is larger than 30mm.

3. Verify your service later. Refer to section 5 on how to verify your service.

5. Verify if connection is successful

LED indicators on the ONR provide status information of each service connection. Each light indicator indicates the success of the connection listed previously in sections 3 and 4:

- Fiber connection is up if PON indicator is steady green.
- Each of these services are functioning normally if LAN/TEL/INTERNET/IPTV indicators are steady green.

If the PON indicator is flashing, check your fiber connection and FTTH ID configuration as stated in section 4.

Refer to section 7 for the other indicator statuses.
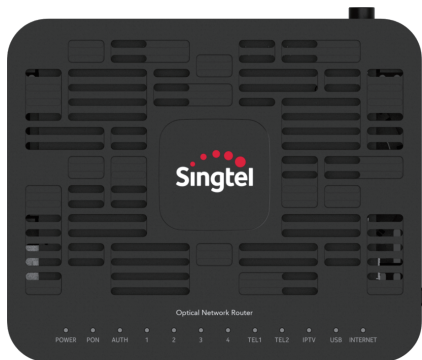
6. Resetting to Factory Default

What does it do?

Resets all settings except the FTTH ID.

How do I reset it?

Press the Reset button by using a needle-like object and hold for more than 10 seconds. If the LED indicator turns off and on, your ONR has been successfully restored to factory default.

When should I perform a factory reset?

To reset all the settings except the FTTH ID.

Perform the reset operation if you want to erase all the data on the ONR. Please note that this operation may cause the loss of your ONR configuration information and lead to Internet connection failure. If this problem occurs, please contact your service provider for help.

7. Indicator Descriptions

Indicator	Status	LED Description
POWER	Green	ONR is powered on. The LED displays amber first, then green flashing and turns steady green
	Green flashing	ONR is booting up
	Amber flashing	New firmware downloading
	Red	ONR start up has failed
	Off	ONR is powered off
PON	Green	ONR has ranged successfully
	Green flashing	ONR is ranging
	Off	No light source is detected
TEL 1 - TEL 2	Green	Call account is registered
	Green flashing	Phone call in progress; Call account registration in progress
	Off	Call account is not registered
LAN 1 - LAN 4	Green	Ethernet connected/powered device connected to LAN port
	Green flashing	Data activity present (traffic in either direction)
	Off	Power off or Ethernet not connected
IPTV	Green	IPTV IP address and STB detected and operational
	Green flashing	No IP address obtained in IPTV interface
	Off	No STB detected
INTERNET	Green	Internet service is OK
	Green flashing	Active Internet traffic
	Off	Internet service is down
AUTH	Green	ONR is authorized/authenticated
	Green flashing	ONR is ranging or synchronizing
	Off	ONR is not authorized/authenticated
USB	Green	Device connected to USB port
	Green flashing	Traffic activity on the USB connection
	Off	No device connected to USB port