

# ESR750H

Dual Concurrent Gigabit Live Media Router

- Simultaneous 2.4 GHz and 5 GHz
- Up to 300 + 450 Mbps
- 802.11a/b/g/n



**XTRA RANGE** family routers are specially tailored for multimedia and high performance applications.

The EnGenius Dual Concurrent Gigabit Live Media Router ESR750H provides simultaneous 2.4GHz and 5GHz wireless signals at the same time. This router allows you to surf the internet and check email via the 2.4GHz band while simultaneously streaming HD video and other media through the 5GHz band.

#### USB Port

Connect a USB hard drive or USB printer to your router and allow users to share files, media and printers with friends and family anywhere within the network. Featuring with shAir Music<sup>1</sup>, it allows you to handle playback action from an iPhone, iPod®, iPad®, or other Apple device to stream the audio to the connected USB speakers.

#### QoS – Managing your bandwidth

The ESR750H has been engineered with intelligent QoS (Quality of Service) to prioritize bandwidth-demanding applications like video streaming, gaming and large file transfers as well as bandwidth-sensitive applications like VoIP phone calls and video conferencing. This enables multiple applications to stream smoothly to your TV or PC.

### SOFTWARE FEATURES

#### > SYSTEM REQUIREMENT

System	Windows or Mac OS
Access Method	Web Based (HTTP 1.0 / 1.1)
Browser Compatibility	IE and Firefox

#### > WIRELESS FUNCTIONAL LIST

Operating Modes	AP Router/WDS
Standards	IEEE802.3i/u/ab IEEE802.11a/b/g/n
Network Map	Graphical display of current connected device list

ESR750H Data sheet Version 150312

\* Maximum data rates are based on IEEE 802.11 standards. Actual throughput and range can vary depending on many factors including network conditions, environmental factors, distance between devices, radio interference in the operating environment, and mix of devices in the network

1 iOS4.2 or iTunes 10.5 are minimum requirement of using shAir Music function

\*\* All specifications are subject to change without prior notice

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## ESR750H

Channel Setting	Manual
	Auto / Best Channel Selection
Transfer Rate Setting	Auto and Manual
Power Saving	Wireless LAN power saving
Guest Network (Multiple SSID)	4 BSSID for each 2.4GHz & 5GHz
	Each BSSID has its own WiFi & security settings
WPS	WPS-button & Software WPS
Security	WEP / WPA-PSK / WPA2-PSK / TKIP/ AES
	802.1x Authenticator
	Hidden SSID
	WPS
	Auto Channel Selection
LAN Settings	IP (check validity and DHCP server IP range)
DHCP Server	DHCP Range, Lease Time, Client list
VPN	L2TP & PPTP VPN Tunneling
	VPN Pass-through (PPTP/L2TP/IP Sec)
VPN Server	PPTP & L2TP (5 concurrent tunnels)
Administration	User Name (set as "admin")
	Password (can be changed by user)
	Confirmed Password
Backup/ Restore Setting	Save Current Setting
	Restore Saved Setting
	Reset to Factory Default
Firmware Upgrade	Upgrade firmware via web-browser
UPnP	Yes
Diagnosis	Address to Ping :

## TECHNICAL SPECIFICATIONS

### > HARDWARE SPECIFICATION

Physical Interface	WAN: 1 x 10/100/1000 Gigabit Ethernet
	LAN : 4 x 10/100/1000 Gigabit Ethernet
	1 USB2.0 Port
	Power Switch
	Power Jack
	2 x SMA Antenna Connectors
	WPS button

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	(Press 1 to 5 seconds to activate the router's Wi-Fi Protected Setup (WPS) feature) (Press 6 to 10 seconds to reboot the router) (Press up to 20 seconds to reset the router to factory default)
Power Adapter	12V / 1.25A
LED Indicator	Power, WPS, WLAN(2.4GHz & 5GHz Wireless Connection), WAN, LAN (1-4)
<b>&gt; WIRELESS SPECIFICATION</b>	
Frequency Band	2.400~2.484 GHz(11b, 11g, 11n) and 5GHz(11a, 11n)
Operating Channels	11 for North America, 14 for Japan, 13 for Europe
Wireless Setting	Wireless Mode – 11a/ 11b/ 11g /11n Channel Selection Channel Bandwidth (Auto 20/40MHZ, 20MHZ) Transmission Rate - 11n only, 11b/g/n mix ,11b ,11g, 11b/g, 11a, 11a/n
Antenna	2 x 5dBi RP-SMA detachable antennas for 2.4GHz 3 x 3.5dBi internal antennas for 5GHz

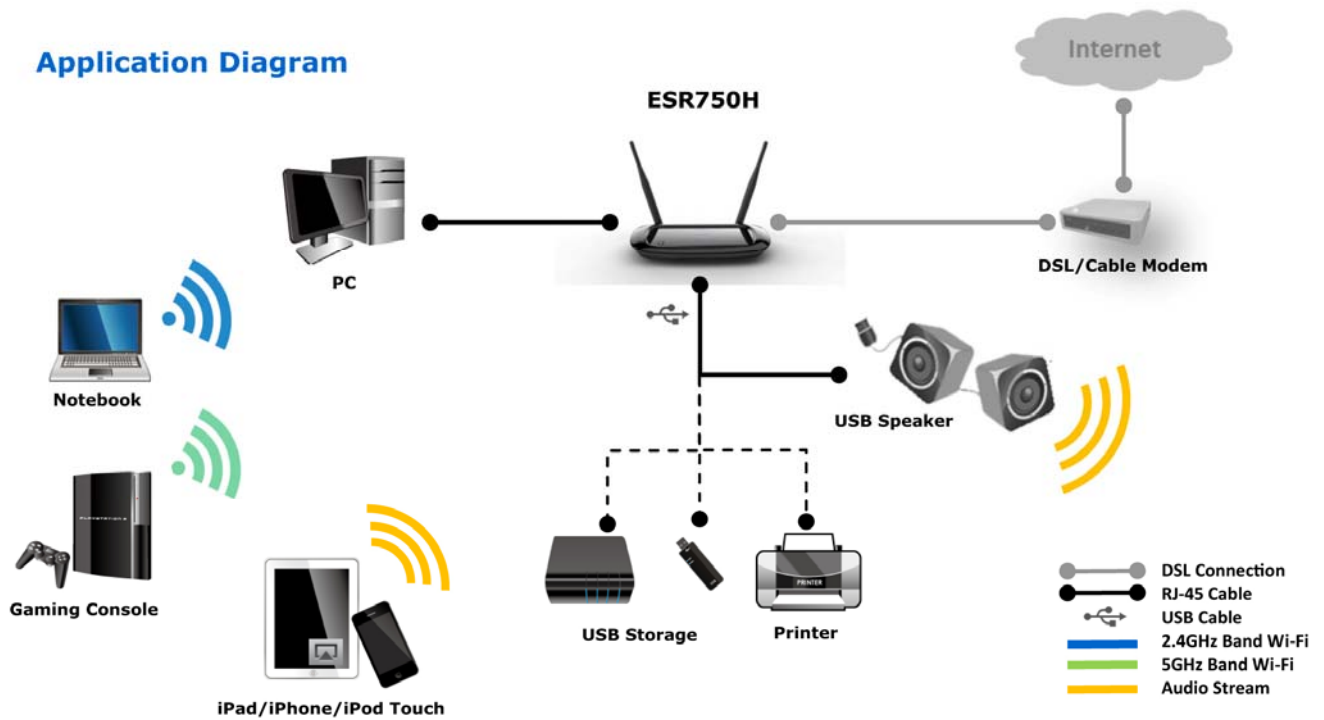
#### ENVIRONMENTAL AND MECHANICAL

Temperature Range	0 to 40° C - Operating, -20 to 60 ° C - Storage
Humidity (non-condensing)	90% or less – Operating, 95% or less - Storage

#### PACKAGE CONTENTS

• 1x ESR750H
• 1x 12V/1.25A Power Adapter
• 1x Quick Installation Guide
• 1x CD (Wizard & User's Manual)
• 1x RJ-45 Ethernet Cable
• 2x 5dBi Detachable Antennas

### Application Diagram



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