

This is a basic guide to quickly set up the Sea-Hub to wirelessly re-broadcast a remote WiFi/Internet signal locally to multiple wireless-enabled devices by plugging the Scout WiFi antenna model **KS-60 2.0** into its USB port.

Other configurations (DSL Router, 3G Router) and advanced features are beyond the scope of this guide, users should refer to the full instruction manual for a description of its full capabilities. The full instruction manual can be downloaded from the website www.scoutantenne.com (page Support or page Sea-Hub).

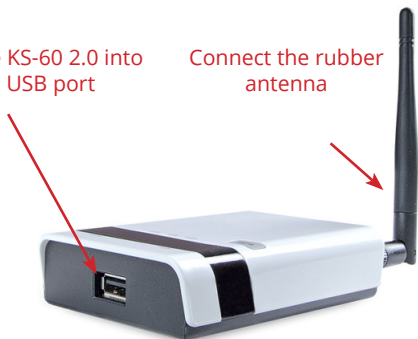
1 Connection

Ensure the KS-60 2.0 WiFi antenna is plugged in the USB port and the Sea-Hub has its black rubber antenna attached before switching power on.

Plug the KS-60 2.0 into the USB port

Connect the rubber antenna

Plug the 12V power adapter to the DC power socket to switch the power on



2 Login

There are two possible ways to login and configure the Sea-Hub:

1. Wireless configuration: use your wireless device to login and configure the Sea-Hub. Be sure that the WiFi connection of your device is enabled, then proceed as follows:

Go to WiFi connections and scan for available networks.



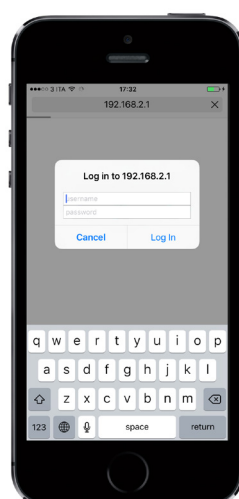
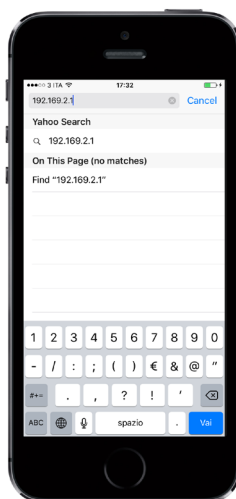
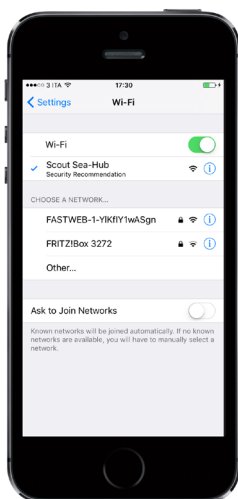
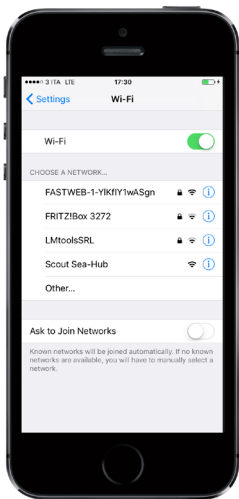
Select Scout Sea-Hub and wait to be connected.



Open your Internet browser and type the following IP address:
192.168.2.1



Type in username **(admin)** and password **(admin)**.



Once you have logged in you should be greeted by the screen below, notice the flashing **Connected Status**. Click on **Easy Setup** to continue.

The interface shows the SCOUT logo and 'Sea-Hub WiFi/3G/USB Mobile Router' title. The 'Easy Setup' tab is highlighted with a red box. Below the tabs, the 'Internet Configuration' section is visible, showing a table of network settings.

Internet Configuration	
Connected Type	DHCP
WAN IP Address	
Default Gateway	
Secondary Domain Name Server	
LAN Configuration	
LAN IP Address	192.168.2.1
MAC Address	00:C0:CA:8A:9A:D8
LAN Netmask	255.255.255.0
System Info	
Firmware Version	v1.2.1-8(Jun 26 2015)
Operation Mode	Router Mode
Connected Status	Disconnected/Connecting...
Subnet Mask	
Primary Domain Name Server	
MAC Address	00:C0:CA:8A:9A:D9
System Time	Sat, 01 Jan 2011 00:02:06

Select the **USB Wireless adapter** button to begin the wizard to connect to a remote WiFi signal.

The interface shows the 'Easy Setup' tab selected. Below the tabs, the 'Please select a connection type' section is visible, showing a list of connection options. The 'USB Wireless adapter' option is highlighted with a red box.

Please select a connection type

- ☒ USB Wireless adapter
- ☐ 3G dongle
- ☐ ADSL modem
- ☐ Bridge(AP)

On the following screen we configure the USB WiFi network. Leave Connection Mode set as Cable/Dynamic IP (DHCP) and select Site Survey to see the wireless networks available to connect to.

System Configuration

Connection Mode Cable/Dynamic IP (DHCP) ▼

DHCP Mode

Hostname

Primary DNS Server

Secondary DNS Server

USB Wireless adapter Configuration

SSID

BSSID(optional)

Network Type Infrastructure ▼ **Site Survey**

Security Policy

Security Mode Disable ▼

Next

Take a note of the **Authentication** and **Encryption** information for the network you are trying to connect to, this will be required later - unless security is disabled.

Click on the button for the network you wish to connect to and press **Select**.

	SSID	BSSID	Bit Rates	Signal	Channel	Authentication	Encryption	Network Type
<input type="radio"/>	BT00962269	88:74:2E:85:40:81	144 Mb/s	89/100 (-55)	1	WPA-Personal	TKIP/AES	Infrastructure
<input type="radio"/>	11N 3G Router_AP	00:13:8C:8A:8A:DA	72 Mb/s	100/100 (-47)	1	None	None	Infrastructure
<input type="radio"/>	101	00:23:46:33:64:D0	54 Mb/s	37/100 (-75)	6	WPA-Personal	TKIP	Infrastructure
<input checked="" type="radio"/>	FASTWEB-1-YIKFIY1wASgn	64:87:87:8B:33:48	54 Mb/s	100/100 (-29)	11	WPA-Personal	TKIP	Infrastructure
<input type="radio"/>	ap01	00:25:86:CA:88:89	54 Mb/s	18/100 (-83)	11	WPA-Personal	TKIP	Infrastructure
<input type="radio"/>	Applifer	00:15:4D:9E:83:ED	54 Mb/s	26/100 (-79)	6	WPA-Personal	TKIP	Infrastructure

Select

Rescan

Close

In the next screen you will now see that the details for the connection you selected have been added.

If the **Network Type** reads **802.11Ad Hoc**, change to **Infrastructure** using the dropdown arrow.

If the WiFi network you are connecting to has security enabled you will need to enter the Mode (Authentication and Encryption information you took a note earlier) and passphrase on this screen before selecting **Next**.

The screenshot shows the Scout Sea-Hub configuration interface. At the top, there is a logo for SCOUT Professional Marine Antennas Made In Italy and the product name Sea-Hub WiFi/3G/USB Mobile Router. Below this is a navigation bar with tabs: Status, Easy Setup (selected), Advanced, and Language (set to English). The main content area is titled System Configuration and contains several sections: Connection Mode (set to Cable/Dynamic IP (DHCP)), DHCP Mode, Hostname (set to Scout Sea-Hub), Primary DNS Server, Secondary DNS Server, USB Wireless adapter Configuration, SSID (set to FASTWEB-1-YIKfY1wASgn), BSSID (optional) (set to 64 97 97 00 12 48), Network Type (set to Infrastructure, highlighted with a red box), Site Survey, Security Policy, Security Mode (set to WPA-Personal), WPA, WPA Algorithms (set to TKIP), and Pass Phrase (set to a series of dots, highlighted with a red box). A Next button is located at the bottom right.

The next screen shows the settings for the wireless LAN - this is what you will be connecting your wireless device to locally in order to access the Internet.

The **SSID** is the name you will see when scanning for available WiFi networks: the default name is Scout Sea-Hub, you can change it to something more meaningful if you wish.

We strongly advise adding some security to this connection in order to stop unauthorized connections, next screen shows example settings. Once you're happy with your settings press **Done**.

Status

Easy Setup

Advanced

Language

English ▼

Wireless Security and Encryption Settings

The Wireless Security and Encryption Settings page allows you to make detailed security configurations to prevent unauthorized access and monitoring.

Select

"Scout Sea-Hub"

SSID Choice

Scout Sea-Hub

Security Mode

WPA-PSK ▼

WPA

WPA Algorithms

☐ TKIP ☐ AES ☒ AUTO (TKIP/AES)

Pass Phrase

.....

8~63 ASCII or 64 Hexadecimal

Key Renewal Interval

3600

seconds

Create your password and type it in there

Access Policy

Policy

Disable ▼

Add a station MAC

Previous

Done




Saving ...

Please wait a moment ...

System is rebooting, please wait a moment!



The screen should now look like the following one, Connected Status is now **Connected**.

 **SCOUT®**
Professional Marine Antennas Made In Italy

Sea-Hub
WiFi/3G/USB Mobile Router

Status | Easy Setup | Advanced | Language English ▼

Internet Configuration

Connected Type	USB-WLAN(DHCP)	Connected Status	Connected
WAN IP Address	192.168.1.132	Subnet Mask	255.255.255.0
Default Gateway	192.168.1.254	Primary Domain Name Server	62.101.93.101
Secondary Domain Name Server	83.103.25.250	MAC Address	88:05:35:35:35:35

USB Wireless Adapter Information

Network Mode	Infrastructure	Wifi Link Status	Ralink STA
Network Name (SSID)	FASTWEB-1-YIKfY1wASgn	Unique ID (BSSID)	64:87:D7:BB:32:48
Link Quality	100%	Connection Speed	54 Mb/s
Signal Strength	-36 dBm		

Change Profile

Security Settings

Authentication	WPA-Personal	Encryption	TKIP
Passphrase	*****		

LAN Configuration

LAN IP Address	192.168.2.1	LAN Netmask	255.255.255.0
MAC Address	88:05:35:35:35:35		

System Info

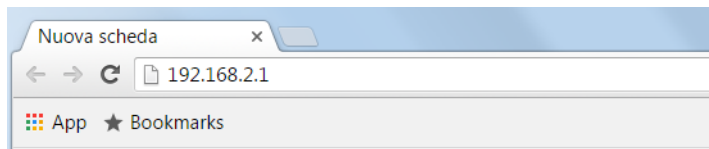
Firmware Version	v1.2.2.1(Oct 19 2016)	System Time	Sat, 01 Jan 2011 00:00:37
Operation Mode	Router Mode		

Congratulations! You now have access to the remote network.

Scan for available networks with your WiFi devices and connect to the your own new network, type in the passphrase you chose before and enjoy!

2. Configuration through Ethernet cable: you can easily use your laptop to login and configure the Sea-Hub. Just plug the Ethernet cable you'll find inside the Sea-Hub box (or another standard Ethernet cable if you wish) into the Ethernet port of your laptop and, on the other side, into the LAN port of the Sea-Hub.

Open your Internet browser and type the following IP address: **192.168.2.1**



Type in username (**admin**) and password (**admin**), then follows the steps illustrated from page 3.

