

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](http://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.



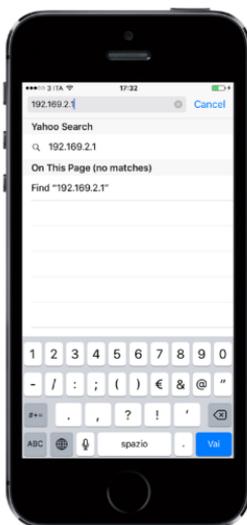
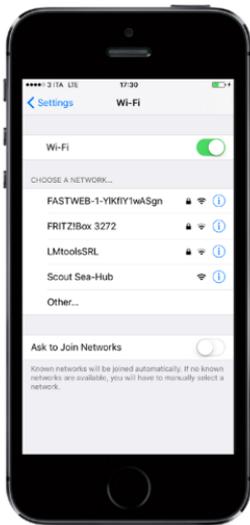
Select Scout Sea-Hub and wait to be connected.



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.

**SCOUT**  
Professional Marine Antennas Made In Italy

**Sea-Hub**  
WiFi/3G/USB Mobile Router

Status **Easy Setup** Advanced Language English

**Internet Configuration**

<b>Connected Type</b>	DHCP	<b>Connected Status</b>	Disconnected/Connecting...
<b>WAN IP Address</b>		<b>Subnet Mask</b>	
<b>Default Gateway</b>		<b>Primary Domain Name Server</b>	
<b>Secondary Domain Name Server</b>		<b>MAC Address</b>	00:C0:CA:8A:9A:D9
<b>LAN Configuration</b>			
<b>LAN IP Address</b>	192.168.2.1	<b>LAN Netmask</b>	255.255.255.0
<b>MAC Address</b>	00:C0:CA:8A:9A:D8		
<b>System Info</b>			
<b>Firmware Version</b>	v1.2.1.8(Jun 26 2015)	<b>System Time</b>	Sat, 01 Jan 2011 00:02:06
<b>Operation Mode</b>	Router Mode		

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

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**Sea-Hub**  
WiFi/3G/USB Mobile Router

Status **Easy Setup** Advanced Language English

**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

**DHCP Mode**

Hostname

Primary DNS Server

Secondary DNS Server

**USB Wireless adapter Configuration**

SSID

BSSID(optional)

Network Type

**Security Policy**

Security Mode

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	EB:F4:E6:85:80:D1	144 Mb/s	89/100 (-55)	1	WPA-Personal	TKIP/AES	Infrastructure
<input type="radio"/>	11N 3G Router_AP	00:10:0C:8A:8A:DA	72 Mb/s	100/100 (-47)	1	None	None	Infrastructure
<input type="radio"/>	101	00:23:46:33:84:D0	54 Mb/s	37/100 (-75)	6	WPA-Personal	TKIP	Infrastructure
<input checked="" type="radio"/>	FASTWEB-1-YIKFIY1wASgn	64:87:87:88:33:48	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	00:15:40:9E:83:ED	54 Mb/s	26/100 (-79)	6	WPA-Personal	TKIP	Infrastructure

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 configuration page for a SCOUT Sea-Hub router. The interface includes a logo for SCOUT (Professional Marine Antennas Made In Italy) and the product name Sea-Hub (WiFi/3G/USB Mobile Router). Navigation tabs include Status, Easy Setup (selected), Advanced, and Language (English). The main configuration area is titled 'System Configuration' and contains several sections: 'Connection Mode' (Cable/Dynamic IP (DHCP)), 'DHCP Mode' (empty), 'Hostname' (Scout Sea-Hub), 'Primary DNS Server' (empty), and 'Secondary DNS Server' (empty). The 'USB Wireless adapter Configuration' section includes 'SSID' (FASTWEB-1-YIKfIY1wASgn), 'BSSID (optional)' (64 9F0700 32 48), and 'Network Type' (Infrastructure, highlighted with a red box, with a 'Site Survey' button next to it). The 'Security Policy' section shows 'Security Mode' (WPA-Personal). The 'WPA' section includes 'WPA Algorithms' (TKIP) and 'Pass Phrase' (masked with 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

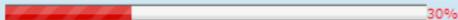
At this point you will be disconnected from the Sea-Hub as it reconfigures. Give it a few moments to sort itself out.



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 ▾

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**Internet Configuration**

<b>Connected Type</b>	USB-WLAN(DHCP)	<b>Connected Status</b>	<b>Connected</b>
<b>WAN IP Address</b>	192.168.1.132	<b>Subnet Mask</b>	255.255.255.0
<b>Default Gateway</b>	192.168.1.254	<b>Primary Domain Name Server</b>	62.101.93.101
<b>Secondary Domain Name Server</b>	83.103.25.250	<b>MAC Address</b>	98:09:54:86:34:34

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**USB Wireless Adapter Information**

<b>Network Mode</b>	Infrastructure	<b>Wifi Link Status</b>	Ralink STA
<b>Network Name (SSID)</b>	FASTWEB-1-YIKfIY1wASgn	<b>Unique ID (BSSID)</b>	64:87:D7:BB:32:48
<b>Link Quality</b>	100%	<b>Connection Speed</b>	54 Mb/s
<b>Signal Strength</b>	-36 dBm		

[Change Profile](#)

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**Security Settings**

<b>Authentication</b>	WPA-Personal	<b>Encryption</b>	TKIP
<b>Passphrase</b>	*****		

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**LAN Configuration**

<b>LAN IP Address</b>	192.168.2.1	<b>LAN Netmask</b>	255.255.255.0
<b>MAC Address</b>	98:09:54:86:34:34		

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**System Info**

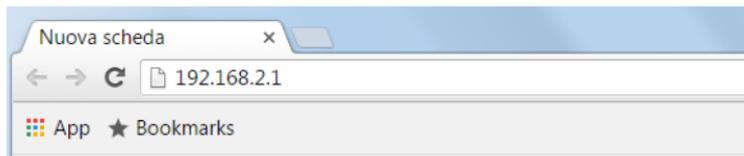
<b>Firmware Version</b>	v1.2.2.1(Oct 19 2016)	<b>System Time</b>	Sat, 01 Jan 2011 00:00:37
<b>Operation Mode</b>	Router Mode		

**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.

