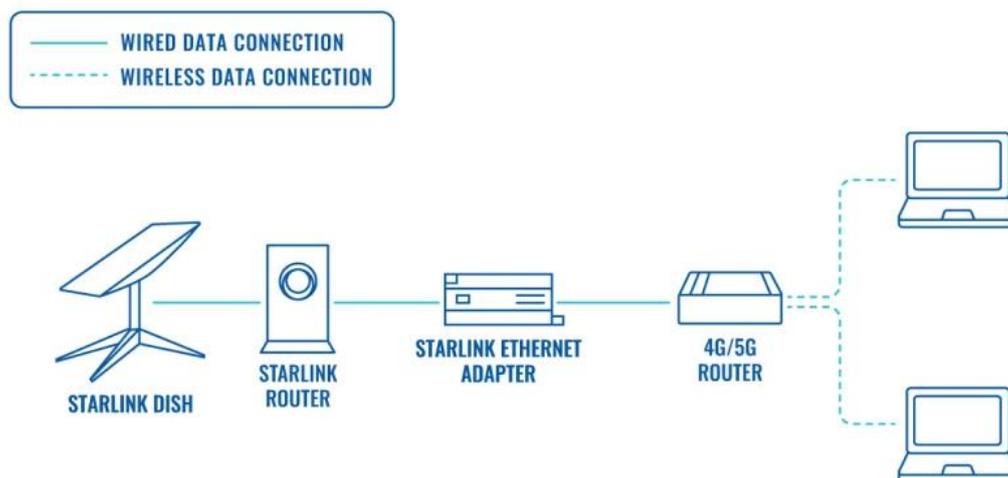# How link your Starlink to your Teltonika Router

Cellular failover is great use with Starlink, or any other Satellite Network system you might be using. It's not only easy to implement but it also supplies you with the security of guaranteeing network continuity in any possible scenario where your main satellite connection drops or slows down. This ease of implementation stems from Teltonika routers being designed with the very possibility of being used like this in-mind, so you should find the process of doing this quite simple.

Along with the Teltonika router and the Starlink device, the only other piece of equipment you require is a Starlink Ethernet adapter, available on Amazon or via the Starlink app.

The first thing you need to do is plug the Starlink Ethernet adapter into the Starlink modem and then connect an Ethernet cable from that adapter into the WAN port on a Teltonika router.

You then need to a connect a web-browsing device (phone, laptop, PC, etc.) to the Teltonika router (via WiFi or LAN cable) and then enter the router's IP address into the URL address bar across the top of the device's web browser. The default Teltonika router IP address is 192.168.1.1

Once you've accessed this IP address web interface, you'll be prompted to sign in. The username is **admin** and the password will be printed on the label on the back of the router.

Once logged in, navigate to the Network page and find the failover section, which should appear as a list with WAN and mob1s1a1 both featuring - WAN is the Starlink modem and mob1s1a1 is the Teltonika router's mobile connection. Set the connection order by dragging WAN into position 1 in the list and then dragging mob1s1a1 into position 2 – this sets the connection order with the Starlink modem as the top priority but the Teltonika's mobile connection as the first-choice backup.

⌄ FAILOVER / LOAD BALANCING INTERFACES

	METRIC	NAME	TYPE	INTERVAL	STATUS		
✛	1	wan	wired	3	Online	off ⬤ on	✏️
✛	4	mob1s1a1	mobile	3	Online	off ⬤ on	✏️
✛	5	mob1s2a1	mobile	3	Disabled	⬤ off on	✏️
✛	6	vlan_100	-	3	Disabled	⬤ off on	✏️

Finally, to ensure this failover would actually occur in the event that the Starlink modem fails, you must enable failover by first clicking the pencil icon on the WAN row. In the menu that appears, you must establish a rule to trigger when failover would occur, such as the example below which initiate failover when the router fails to connect to a web server for several seconds.

⌄ INTERFACE CONFIGURATION

Enable   off ⬤ on

Interval   3

Flush connections on   ⌃

⌄ RULE

Method   Ping   ⌃

Track IP   1.1.1.1   ⊖

   8.8.8.8   ⊖ ⊕

Reliability   1

Count   1

Up   3

Down   3

The last step needed is to recreate this rule in the mob1s1a1 line too so that the router knows when to jump back to the Starlink.

From this point you can now connect all your devices to the Teltonika router's network, which will be running off the Starlink internet connection by default. If the Starlink connection were to drop out for any reason then the router will automatically switch to the mobile network for internet, meaning a data SIM card does need to be present in the router.