

## Wi-Fi Connection Parameters

Mode: access point

SSID: HiPer\_HR-your HiPer HR SN

Default IP address of the receiver: 192.168.4.10

Encryption: off

Login: admin

Password: admin

### To configure the receiver:

In the web browser URL field on your PC or smart phone, type **http://192.168.4.10** to access the web interface.



Do not attach an external GNSS antenna to the RF connector or vice versa.



All HiPer HR units have integrated cellular, Bluetooth and Wi-Fi module, and antennas.



The Hardware Reset Button (located in SIM card slot) performs a hard reset of the unit and must only be performed when all troubleshooting methods have been unsuccessful. Refer to the *HiPer HR Operator's Manual* for troubleshooting methods.



## POWER BUTTON FUNCTIONS

ACTION	TIME	DESCRIPTION
Power On	1+ second	Power LED blinks green during startup. After startup Power LED is solid green if external power is applied.
<b>WITH POWER ON</b>		
Power Off	3-10 seconds	During shutdown, Power LED blinks yellow.
Start/Stop Data Logging	Three times in a row within 2 seconds	Refer to the REC (Recording) LED description.
Toggling between occupation modes	Two times in a row within 1 second	Refer to the REC (Recording) LED description.
Performing Factory Reset	10-15 seconds	Release the Power button when STAT LED blinks magenta. When the Power button is released, the receiver will complete a power cycle during factory reset.








### Power Button Mode Switching

The Power button operates in two modes: LED blink mode switch and Occupation mode switch. In Occupation mode, you can switch the receiver between Static and Kinematic survey modes while recording a file. Refer to the *HiPer HR Operator's Manual* for instructions on switching power button modes.





## LED Display Panel

LED ICON KEY		
SOLID	BLINKING	OFF
		




### STATUS LED

	Green Blink	One blink per tracked GPS satellite.
	Yellow Blink	One blink per tracked GLONASS satellite.
	Cyan Blink	One blink per tracked Galileo satellite.
	Magenta Blink	One blink per tracked BeiDou satellite.
	Blue Blink	One blink per tracked QZSS satellite.
	White Blink	One blink per tracked L-band Satellite.
	Red Blink	One blink when there are no tracked satellites or solutions. Otherwise, LED is off.




### RECORDING (REC) LED

	Green Blink	File logging in progress and each blink indicates data is being written to memory. (does not reflect logging rate) Static occupation mode is active.
	Yellow Blink	File logging in progress and each blink indicates data is being written to memory. (does not reflect logging rate) Kinematic occupation mode is active.
	Red Solid	File logging problem. No free memory, or hardware problem with data recording.
	No Light	No data logging in progress.

## BLUETOOTH® LED









	Blue Blink	Bluetooth is on.
	Blue Solid	Bluetooth connection is established.
	No Light	Bluetooth is off.

## WI-FI® LED

	Green Solid	The internal Wi-Fi modem is starting up.
	Green Blink	The internal Wi-Fi modem is transmitting or receiving data.
	No Light	Wi-Fi is off.




## RADIO LED - UHF RADIO MODEM

### COMMAND MODE (ROVER AND BASE)




	Red Blink	MAGNET Field or TRU sends commands to configure the radio modem.
	Green Blink	
	No Light	Modem is off.
	Green Solid	Modem is initialized.
	Yellow Blink	Modem in receiver mode and receiving correction data from a base.
	Red Blink	Modem is in transmitter mode and transmitting correction data.
	Yellow Blink	Modem is in repeater mode and receiving/transmitting correction data.
	Red Blink	

## RADIO LED - FH915+ RADIO MODEM


### COMMAND MODE (ROVER AND BASE)

	Red Blink	MAGNET Field or TRU sends commands to configure the modem.
	Green Blink	
	No Light	Modem is off.








### RECEIVER MODE AND REPEATER MODE (ROVER)

	Green Blink	Modem is not synchronized with a base.
	Green Solid	Modem is synchronized with a base and ready to receive correction data.
	Yellow Blink	Modem receives correction data from a base.








### TRANSMITTER MODE (BASE)

	Red Solid	Modem transmits correction data.
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## INTERNAL BATTERY LED

	Green Solid	The charge is greater than 50%.
	Green Blink	The internal battery is at greater than 50% capacity; the battery is charging.
	Yellow Solid	The charge is between 10% and 50%.
	Yellow Blink	The internal battery is at greater than 10% capacity; the battery is charging.
	Red Solid	The charge is less than 10%.
	Red Blink	The internal battery is at less than 10% capacity; the battery is charging.
	No Light	Receiver is off and not connected to external power.

## EXTERNAL BATTERY LED

	Green Solid	The charge is greater than 50%.
	Green Blink	The receiver is connected to an external power source, and the battery is at greater than 50% capacity; the battery is charging.
	Yellow Solid	The charge is between 10% and 50%.
	Yellow Blink	The receiver is connected to an external power source, and the battery is between 10% and 50% capacity; the battery is charging.
	Red Solid	The charge is less than 10%.
	Red Blink	The receiver is connected to an external power source, and the battery is less than 10% capacity; the battery is charging.
	No Light	External battery is disconnected or receiver is off.

## Technical Documentation and Utility Software

On the Topcon TotalCare website ([www.TopconCare.com](http://www.TopconCare.com)), you can download manuals, technical documentation, training material, and various utility software to help you set up and use the HiPer HR receiver. The website also offers registration resources, training, and technical assistance.

Register for a free account at Topcon TotalCare ([www.TopconCare.com/register](http://www.TopconCare.com/register)) today to download this material.

Your local authorized dealer is:



For more information contact Synergy Positioning Systems or visit the Synergy Positioning Systems website at [www.synergypositioning.co.nz](http://www.synergypositioning.co.nz)  
All branches: Phone 0800 867 266 Email: [info@synergypositioning.co.nz](mailto:info@synergypositioning.co.nz)



HiPer HR Quick Reference Card

Specifications subject to change without notice.

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