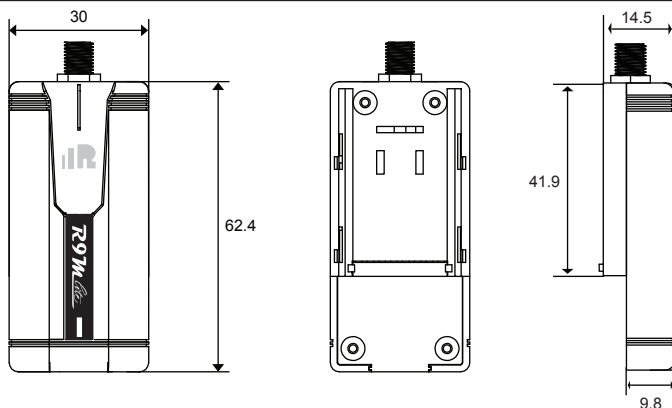


## Introduction

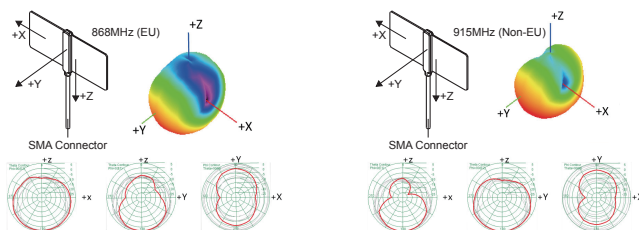
Thank you for purchasing FrSky ACCESS protocol R9M Lite telemetry module. Especially designed for FrSky Taranis X-lite /Pro/S and Taranis X9 Lite/Pro, it has both low latency and high precision RC system. In order to fully enjoy the benefits of this system, please read the instruction manual carefully and set up the device as described below.

## Overview



## Zipp9 (868MHz) / Zipp9 (915MHz) Antenna

Recommended 900MHz optional high-gain antenna for achieving higher performance and further range.



## Specifications

- Dimension: 62.4mm × 30mm×14.5mm (L×W×H)
- Weight: 20g
- Channel: 16CH
- Operating Current: 100mA
- Upgrade Interface: Smart Port
- RF Operating Frequency: 900MHz
- Compatibility: R9 ACCESS Series Receivers
- **RF Power: 100mW**



Smart Port (S. Port) is a signal wire full duplex digital transmission interface developed by FrSky Electronic Co., Ltd. All products enabled with Smart Port (including XJT module, RX8R receiver, new hub-less sensors, new Smart Dashboard, etc), serial port user data and other user input/output devices can be connected without limitations for numbers or sequences at a high transmission speed.

## Features

- ACCESS protocol
- Firmware upgradable on Taranis X-Lite
- Telemetry data transmission supported
- Long Range, Low Latency and High precision RC system

## LED State

Red LED	Green LED	Blue LED	Status
Flash	Off	Flash	Register
Flash	Flash	Flash	Register successfully
Flash	Off	Off	Bind
Flash	Flash	Off	Bind successfully
Off	Off	Flash	Range
On	Flash	Off	Tele
On	Off	Off	None-Tele

## Registration & Automatic binding (Smart Match™)

With the FrSky ACCESS protocol, the transmitter/transmitter module can bind receiver without using the "F/S" button.

Follow the step below to finish the Registration & binding procedure:

1. Put the transmitter/transmitter module into [Reg] status.

1.1 For Taranis X-Lite Pro as an example, turn on the transmitter, go to the MENU-MODEL SETUP-PAGE 2, choose External RF-Mode R9MLP ACCESS, then select [Reg].

2. Connect the battery to the receiver while holding the F/S button on the receiver. The RED LED and GREEN LED on the receiver will be on, indicating into the [Reg] status. Select [ENTER] on the transmitter, The RED LED and GREEN LED on the receiver will flash, and the transmitter displays [Registration ok].

3. Turn off the receiver.

4. Move the cursor to select the receiver 1 [Bind].

5. Connect the battery to the receiver, the GREEN LED on the receiver will be on, indicating into the [Bind] status. Select the RX, the GREEN LED on the receiver will keep lit, the RED LED will flash, and the transmitter displays [Bind successful].

6. The transmitter exit [Bind], GREEN LED will flash, RED LED will be off, indicating Working normally.

**Note: You can set the RF power: Go to the External RF-Options [set].**

## Range Check

A pre-flight range check should be done before each flying session. Reflections from nearby metal fences, concrete buildings or trees can cause loss of signal during range check and flight. Under Range Check mode, RF power will decrease and Range distance will reduce to 1/30-1/10 that of Normal model.

1. Place the model at least 60cm (two feet) above non-metal contaminated ground (e.g. on a wooden bench). The receiver antenna should be in vertical position.

2. Turn on the transmitter and the receiver, go to MODEL SETUP—External RF—Mode R9M—Range.

## How to Set Failsafe mode (on the transmitter)

There are 3 failsafe modes: No Pulse, Hold, Custom

- No Pulse: on loss of signal the receiver produces no pulses on any channel. To apply this type, select it in the menu and wait 9 seconds for the failsafe to take effect.

- Hold: the model will hold the last position after signal lost. To apply this type, select it in the menu and wait 9 seconds for failsafe to take effect.

- Custom: the customized position of each individual channel. The model will move to the preset position after signal lost. Move the cursor to "Set" and press ENTER, you will see FAILSAFE SETTING screen below. Move the cursor to the channel you want to set failsafe on, and press ENTER. When moving the corresponding sticks or switches, you will see the channel bar moving. Move the channel bar to the place you want for failsafe and long press ENTER to finish the setting. Wait 9 seconds before failsafe taking effect.

**Note: If failsafe is not set, the model will hold the last position after signal is lost, thus it may fly away or cause injury.**

More information please refer to the introduction manual for transmitter.

FrSky is continuously adding features and improvements to our products. To get the most from your product, please check the download section of the FrSky website [www.frsky-rc.com](http://www.frsky-rc.com) for the latest update firmware and manuals