II. There is a Micro USB port at the bottom of AT9S Pro. Please note the port is for upgrading firmware, not for charging.

1.2 Basic introduction of AT9S Pro

AT9S Pro Transmitter	
Size	183×100×193mm(7.2"*3.9"*7.6")
Weight	0.88Kg
Channel Quantity	10/12 (all twelve channels can be programmed)
Control Range	DSSS&FHSS - 4000M(2.49 Miles) in the air (Maximum range is tested in an unobstructed area free of interference) CRSF - Depends on the RX and TX from BLACKSHEEP
Operating Current	DSSS&FHSS < 90mA@12V; CRSF Depends on the transmission power selected
Operating Voltage	7.4-18.0V
ACPR	>38dbm
Frequencies Band	2.4GHz ISM band(2400MHz~2483.5MHz)
Modulation Mode	QPSK
Bandwidth	5.0MHz
Spread Spectrum Mode	DSSS&FHSS/CRSF
Storage Model Quantity	15
Compatible receivers	12CH - R12DSM, R12DS,10CH- R9DS(Standard configuration), R6DS, R6DSM, Receivers from BLACKSHEEP
Signal Output	PWM/SBUS/PPM/CRSF

1.2.1 Technical Parameters

R9DS Receiver	
Size	43×24×15mm(1.67"*0.94"*0.57")
Weight	14g
Channel Quantity	9 channels for PWM signal output; 10 channels for SBUS&PWM signal output
Control distance	3400M(2.11Miles) in the air, 2KM(1.24Miles) on the ground (Maximum range tested in unobstructed areas free of interference and may vary depending on local regulations)
Operating Current	38-45mA@5V
Operating Voltage	DC 3-10V
Signals Output	SBUS&PWM

1.2.2 Configuration List

AT9S Pro transmitter×1   R9DS Receiver×1   Lanyard×1

Packing box×1   Instruction Manual×1   THR return accessories×1

1.2.3 Recommended Configuration

The below accessories sold separately. You can enter the Aliexpress Official Store to purchase. Or login to the Radiolink official website for product details.

PRM-01 Voltage Telemetry module   TBS crossfire cable

PRM-03 Telemetry module   Wireless trainer cable

1.2.4 Transmitter

Antenna
VrA Knob
SwF
SwE
SwA
SwB
Power LED
Rudder/Throttle Stick
Throttle Trim Lever
Rudder Trim Lever
MODE Button
END Button
Hook

VrB Knob
Carrying Handle
SwH
SwG
SwC
SwD
RF LED
Aileron/Elevator Stick
Elevator Trim Lever
Power Switch
Aileron Trim Lever
Dial
PUSH Button
LCD Panel

VRD Switch
VRC Switch
Simulator/Trainer /TBS CRSF Cable Port
Battery Tray

1．Earth Pole
2．Null
3．Voltage Output: 7.4-18V
4．Output: PPM/SBUS/CRSF
5．Input: RSSI

1.2.5 Basic Usage and Settings

Buttons and switches
● MODE MODE Button : Long press MODE button to enter BASIC MENU or ADVANCE MENU, short press the MODE button to switch the MENU.
● END END Button : Once press to enter SERVO display starting from start-up screen or exit from the any parameter setup menu, Twice press to enter RECEIVE display staring from start-up screen.
● PUSH Button : Rotate the PUSH button to move the cursor or modify the parameter value of the function, Short press or Long press the PUSH key to confirm.

Usage example: Reduce the EPA(End Point Adjustments) of "4: RUDD".
1. Long press the MODE to enter the "BASIC MENU", rotate the to move the cursor to "END POINT", short press the to confirm and enter the EPA setting interface.