



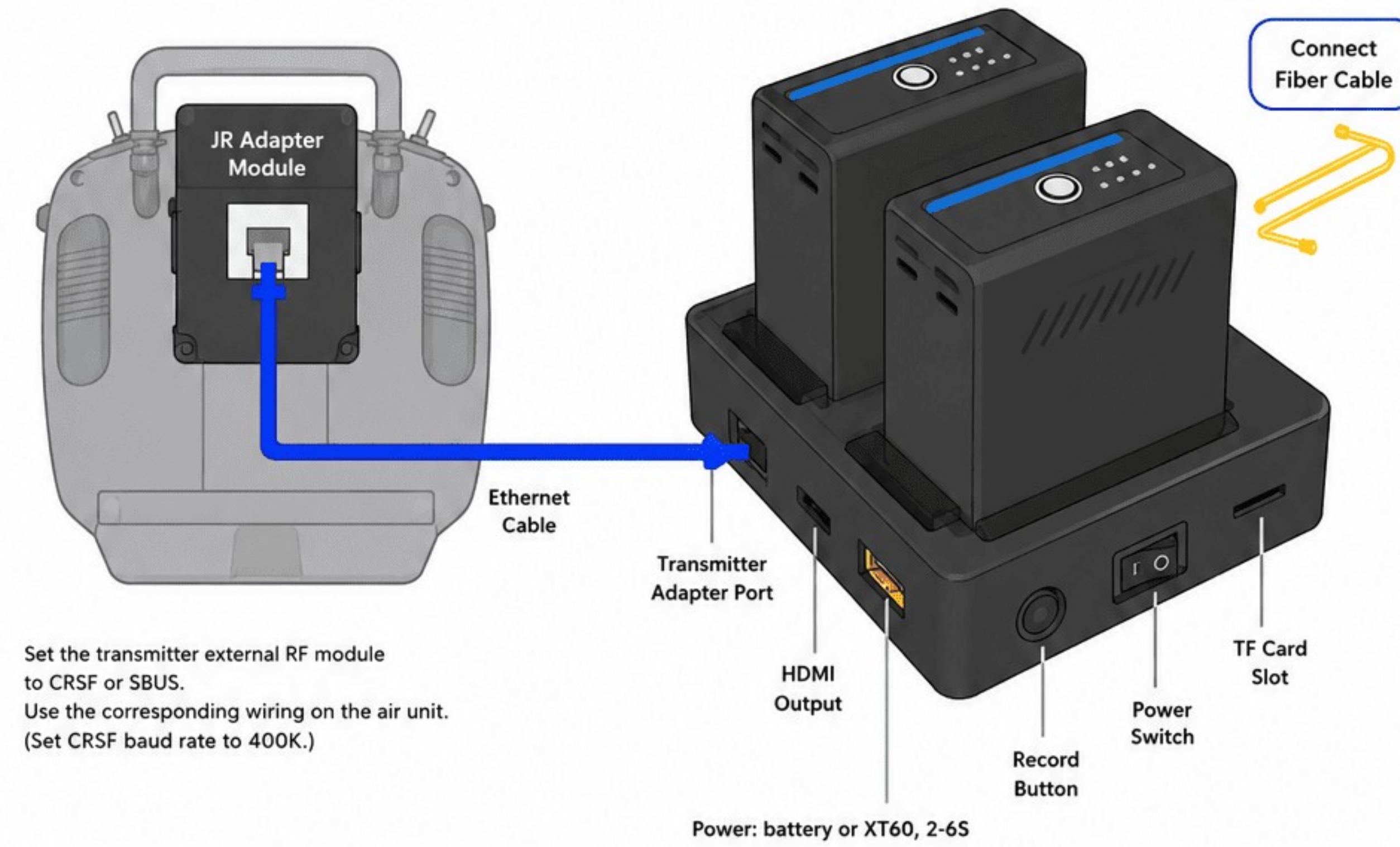
Digital fiber optic transceiver module designed for long-range video transmission up to 80km over single-mode fiber. Features an integrated encoder supporting multiple resolutions including 4K at 30fps, 3K at 60fps, and 1080P at 90fps with video code rates from 20 to 500 and latency between 45-80ms. Utilizes FC-type optical connectors with dual wavelengths at 1310nm and 1550nm. Provides bidirectional data communication supporting CRSF and SBUS formats. Equipped with HDMI video output, SD card slot, USB ports, and 4 LED indicators. Accepts DC power from 7.4V to 50.4V via dual NP-F battery slots, XT60, or RJ45 interfaces with 3.2W consumption. Measures 140.3 × 140.3 × 29.3mm and weighs 300g.

Product details	
Model	Transceiver for Optic Fiber Module digital (80km)
SKU	8056
Encoder	
Resolution	4K@30 fps, 3K@60 fps, 1080P@90 fps
Video code rate	500kb/s-20Mb/s
Latency	45-80ms
Interface	
Data format	CRSF, SBUS
Communication mode	Bidirectional
External interfaces	
Power supply interfaces	NP-F battery x 2, XT60 , RJ45
Video output	HDMI
SD card slot	yes
USB port	yes
Power switch	yes
Record button	yes
LED indicator	4
Fiber optic	

Fibre type	Single-mode fiber
Optical connector type	FC
FC interface	Fibre interface
Fibre wavelength	1310/1550 nm
Transmission distance	20km, 40km, 60km, 80km
Mechanical specifications	
Dimensions	140.3 x 140.3 x 29.3 mm
Weight	300 g
Power	
Consumption	3.2 W
Power supply	DC 7.4-50.4V
Power supply interfaces	NP-F battery x 2, XT60 , RJ45
Supported battery type	NP-F999 6000 mAh 7.4V
Batteries are not included in the package.	Batteries are not included in the package.
Operating conditions	
Humidity range	20-95% RH (non-condensing)
Operating temperature	-20 - 40 °C
Storage temperature	-30 - 50 °C
Common	
Warranty	2 years

Wiring diagram

1 GROUND UNIT WIRING (DIRECT TRANSMITTER CONNECTION)



2 GROUND UNIT WIRING (RELAY MODE)

