

Kylin 5.8G Video Transmitter Instruction manual V1.0

Warning and disclaimer

Thank you for purchasing this product, before turning on the power must be installed antenna, otherwise may cause burning damage; Please keep the transmitter and receiver antenna visible (do not cover), otherwise the communication distance will be affected; Please according the local radio regulations, to use this product, correct selection the RF and power stipulated in the law.

Product introduction

KYLIN 5.8G Video Transmitter is working on 5.8GHz (5740- 5825MHz) in the ISM band FM video launch module, Transmitter to signal Simulated modulation and by of wireless sent to receiver, the receiver demodulation then send signals to the display terminal display. When using this product, have of 32 channels is optional, have small volume, low power consumption and high sensitivity, and more characteristics for this product. This product can be widely applied in various fields to realize wireless communication, When applied in the model aircraft activities, please install the transmitter to aircraft, and connect the receiver to display at the same time, Or used have built-in receiver display, displayed video info on the screen.

Checklists: Transmitter *1 / 5.8G antenna *1 / Cable *1

Instructions

- Step 1: please install the antenna to transmitter of KyLin.
- Step 2: please use cable connected to transmitter and video signal source; as shown below to Connect the receiver of KyLin.
- Step 3: Using of RF key Settings, KyLin receiver and transmitter work under the same channel, If the channel indicator light flashing for the same, then the transmitter and receiver work in the same channel.

Channel lights

It is ABEF+CH1-8 channel combined 32 channels As follow

A Channel combination under have CH1-8 channels

B Channel combination under have CH1-8 channels

E Channel combination under have CH1-8 channels

F Channel combination under have CH1-8 channels

Push of a button, switch CH1-8 channels, Press the button 2 seconds long switch A, B, E, F channel combination.

SPECIFICATIONS

Transmission range 1-6km

Transmitted power can be according the regulation of different areas, choose to buy. (25mw, 200mw, 600mw).

Size: 32*22*10mm

Weight 11.5g

Working voltage: DC 7V-24V battery

Working temperature: -30 ~ 50°C

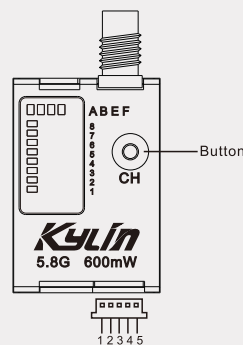
Frequency Stability: ±20ppm

PRODUCT SPECIFICATION

| MODE:TS5828 | | 5.8G 600/200mW 32 Channel AV Transmitter Module | | | | |
|-----------------|-------------------------|---|------|------|-------|-----|
| Modulate | | Wideband FM Modulate | | | | |
| Video Format | | NTCS/PAL | | | | |
| Characteristics | | Value | | | Units | |
| | | Min. | Typ. | Max. | | |
| 1 | Output impedance | --- | --- | --- | | |
| 3 | FR1 or(A) | CH1 | --- | 5740 | --- | MHz |
| | | CH2 | --- | 5750 | --- | MHz |
| | | CH3 | --- | 5760 | --- | MHz |
| | | CH4 | --- | 5770 | --- | MHz |
| | | CH5 | --- | 5780 | --- | MHz |
| | | CH6 | --- | 5790 | --- | MHz |
| | | CH7 | --- | 5800 | --- | MHz |
| | | CH8 | --- | 5810 | --- | MHz |
| | FR2 or(B) | CH1 | --- | 5746 | --- | MHz |
| | | CH2 | --- | 5756 | --- | MHz |
| | | CH3 | --- | 5766 | --- | MHz |
| | | CH4 | --- | 5776 | --- | MHz |
| | | CH5 | --- | 5786 | --- | MHz |
| | | CH6 | --- | 5796 | --- | MHz |
| | | CH7 | --- | 5806 | --- | MHz |
| | | CH8 | --- | 5816 | --- | MHz |
| | FR3 or(E) | CH1 | --- | 5751 | --- | MHz |
| | | CH2 | --- | 5761 | --- | MHz |
| | | CH3 | --- | 5771 | --- | MHz |
| | | CH4 | --- | 5781 | --- | MHz |
| | | CH5 | --- | 5791 | --- | MHz |
| | | CH6 | --- | 5801 | --- | MHz |
| | | CH7 | --- | 5811 | --- | MHz |
| | | CH8 | --- | 5821 | --- | MHz |
| | FR4 or(F) | CH1 | --- | 5755 | --- | MHz |
| | | CH2 | --- | 5765 | --- | MHz |
| | | CH3 | --- | 5775 | --- | MHz |
| | | CH4 | --- | 5785 | --- | MHz |
| | | CH5 | --- | 5795 | --- | MHz |
| | | CH6 | --- | 5805 | --- | MHz |
| | | CH7 | --- | 5815 | --- | MHz |
| | | CH8 | --- | 5825 | --- | MHz |
| 4 | Operating Voltage | 7.0 | 12 | 24 | V | |
| 5 | Supply current | --- | 280 | --- | mA | |
| 6 | Operating Temperature | -10 | --- | +85 | °C | |
| 7 | Video Band width | 0 | --- | 8.0 | MHZ | |
| 8 | Audio carrier Frequency | --- | 6.5 | --- | MHZ | |
| 9 | Video Input Level | 0.8 | 1.0 | 1.2 | Vp-p | |
| 10 | Video Input Impedance | --- | 75 | --- | Ohm | |
| 11 | Audio Input Level | 0.5 | --- | 2.0 | Vp-p | |
| 12 | Audio Input Impedance | --- | 10K | --- | Ohm | |
| 13 | Weight | --- | 11.5 | --- | g | |
| 14 | Antenna Connector | RPSMA Connector | | | | |
| 15 | Dimensions(LxWxH) | 32x22x10mm | | | | |

BUTTON FUNCTION:

| Discription | Function |
|--------------------------------|--------------------------------|
| Press the button shortly | Change channel from 1 to 8 |
| Press the button for 2 seconds | Change frequency group A.B.E.F |



Line 1:VDD_IN(7-24)
Line 2:GND
Line 3:VIDEO_IN
Line 4:AUDIO_IN
Line 5:GND

Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.