SAFETY INSTRUCTIONS

To use the product safely and correctly, please follow the safety precautions set out below. Improper use may cause fire, shock, injury, product failure or other hazards. Please read this manual before using your CW-3 and retain for future reference.

CAUTION

Fire or electric shock may cause injury or other accidents.

- Before using an external power supply, always check that the voltage is within the specified range and that the polarity of the connector is correct, to prevent smoke or fire.
- Do not attempt to disassemble, modify or repair this product by yourself. It may cause fire or electric shock. Please consult your dealer or local IIX office for inspection and repair services.
- Do not use this product in environments with high humidity or high temperatures. It may cause fire or electric shock.
- In case of damage, smoke, unusual smell or other unusual/unexpected situations, stop use immediately and consult your dealer or local IIX office.
- If ventilation openings are blocked, this may cause excessive heat or damage.
- After long periods of continuous use, please be cautious touching the case of the unit as it may become overheated.
- Using the CW-3 in an environment with a lot of moisture, soil or dust may cause excessive heat or electric shock.
- Do not place this product on an uneven or vibrating surface. It may cause failure or damage.

CAUTION on the use of the product and radio waves

- This product has been approved for technical standard compliance certification as a wireless device of radio stations with low antenna power specified under the FCC (in US) / ETSI (in Europe) Radio wave regulation. There is a license for a radio station house is not required for operation.
- This product is allowed to be used only in designated region by IIX.
- This product is pursuant to the appropriate regulations and can be used outdoors as well.
- CW-3 uses SDI band radio frequencies and will not interfere with medical devices. However, in use, it is recommended to keep the CW-3 at least 30cm (12in.) away from medical devices to ensure safety.

Features

- Supported SDI/HD-SDI input and output.
- Transmitter provides SDI buffered output.
- Transmission delay is less than 2ms.
- Signal is encoded by 11b/10b ASC encryption.
- DFS functionality allows for both indoor and outdoor use.

Setup and Operation

1) Mount the TX onto camera by using mounting adapter then attach the supplied antenna to TX. Connect the SDI cable between camera and TX then connect the supplied SDI cable between the TX and D-Tap connector on battery or P-V plate.

2) Plug the AC adapter to TX then connect the AC adapter to the adapter switch.

3) Turn on the power switch of TX and TX then CW-3 will automatically start searching for available frequency.

4) A LINK LED flashes when the system is in search mode then sets SOLO ID as soon as system links firmly.

5) A VIDEO LED turns off when video signal is lost or failed.

Note

- In the areas where other 5GHz wireless devices are in operation, transmission may be interrupted.

- CW-3 is programmed region code accordingly so that the transmission and use in the unspecified region may violate local laws.

- The maximum transmission range varies depending on the surrounding environment such as radio wave conditions, composition of the wall, weathering, etc., therefore the specification of the transmission range is not a definite range.

- And unstable signal reception may be caused by the height, angle and distance between TX and RX.

- Keep distance about 3m (10ft) between the TX and RX when set it up. System may not link up if the distance is too close each other.

- Do not use under direct sunlight environment.

- Plug and unplug the connector when the power SW is off.

- Do not press the button on the TX and RX. Please turn the power off if the system stop working after accidentally pressed these buttons.

DFS Functions

DFS is the abbreviation of Dynamic Frequency Selection. DFS detects the radio waves of weather radar and the CW-3 automatically searches for an available frequency to avoid interference. LINK TIME takes approximately one minute.

Using GPI output

A TX provides GPI output, GPI output is an open collector output in synchronization with the status of wireless link. Thus, it is now possible to interface with an external tally device for better viewing. Please note that the external tally device should be VCC 24V / 40mA or less.

Specifications

- Video
  - SMPTE 454M Level A
  - SMPTE 252M
- Frequency
  - 2.4GHz: 2.4-2.4835GHz
  - 5.8GHz: 5.725-5.850GHz
- Audio
  - SDI Embedded Audio
- Wireless transmission
  - SF: 64kbps
- Signal to noise ratio
  - 85dB
- Dynamic range
  - 60dB
- Operating temperature
  - -20°C ~ 60°C

Warranty & Service

- Warranty period of the CW-3 is two years after purchase.
- Warranty may be voided even within the warranty period when IDX noticed following:
  - Improper use of CW-3 / Malfunction due to excess or deficiency of power / Malfunction due to power short circuit / Physical damages caused by dropping or vibration / Malfunction due to water / Unauthorized used or modification by customer
- When any assistance is needed, please contact your local IDX dealer or appropriate IDK office below.

Design and specification are subject to change without notice.

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