

# USB 2.0 to Cat5e/6 Transmitter/Receiver ID# 720



**Operation Manual**

## Introduction

With USB being the standard connection for consumer electronic products, there has long been a need for something to let us operate our many devices over long distances. The USB over CAT5e/6 transmitter and receiver boxes developed for this purpose as they can operate in both the home and commercial markets. These devices allow most of the USB host to send data bidirectional within a 100-meter distance while offering up to 4 USB outputs, giving this product the ability to act like a USB hub. In addition, this product can also access data from the output port devices even when there's 100 meters separating the devices or using Ethernet hub in between to extend the distance double up to 200 meters. The USB over CAT5e/6 transmitter and receiver boxes are the ideal choice for your USB extension needs.

## Features

- Supports USB 2.0 (High Speed) devices
- Operates at USB 2.0 (High Speed) host controllers
- True plug and play without any driver installation
- Supports all major operating systems including Windows®, MAC OS®, and Linux
- CAT5e/6 cable distance is up to 100 meters
- LED indicators for easy viewing
- Each USB output carries 500 mA of power

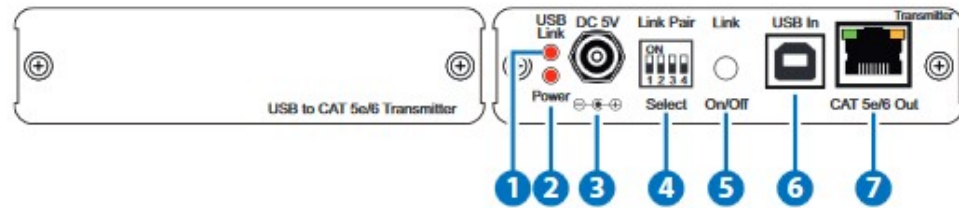
## Applications

- USB Extension over CAT5/6 up to 100m or 200m through Hub
- Control devices from far away
- Host device information sharing and control

## System Requirements

USB controllable host (e.g. PC or laptop), USB controllable devices (e.g. keyboard, mouse or flash driver), USB cables with A-type and B-type connectors and CAT5e/6 cables

### Front Views



#### 1. USB Link LED

This LED will illuminate when the transmitter has linked with receiver's USB signal.

#### 2. Power LED

This LED will illuminate when the device is plugged with power supply.

#### 3. DC 5V

Plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.

#### 4. Link Pair Select

This dip switch allows user with multi-pairs setting for link up to 16 pairs of the devices with single IP router. Each pair must have the same dip switch setting in order to pair to the right device setting. The factory default setting is at 0000.

#### Note:

To activate the setting a re-power on is required after each new setting.

#### 5. Link On/Off Button

Press this button to allow the receiver to be link up or unlink with the transmitter's USB input.

#### Note:

To activate the link a re-power on is required after each button pressed.

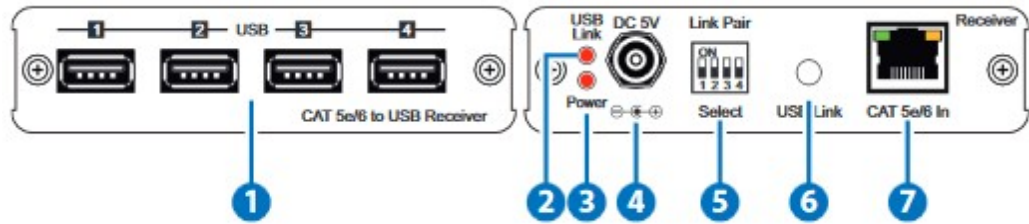
#### 6. USB In

This slot is to connect with PC/Laptop for input source signal with USB B type cable.

#### 7. CAT5e/6 Out

This slot is to connect with CAT5e/6 cable with receiver side's CAT5e/6 input. When both transmitter and receiver is connected the green LED will illuminate. When the data is sending the yellow LED will be blinking

## Rear Views



### 1. USB 1/2/3/4

These slots are where you connect your devices, such as keyboard, mouse, USB storage device or etc with USB cables.

### 2. USB Link LED

This LED will illuminate when the transmitter has linked with receiver's USB signal. User are only able to control the USB in (the source device) when this LED is not illuminated.

### 3. Power LED

This LED will illuminate when the device is plugged with power supply.

### 4. DC 5V

Plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.

### 5. Link Pair Select

This dip switch allows user with multi-pair setting for link up to 16 pairs of the devices with single IP router. Each pair must have the same dip switch setting in order to pair to the right device setting. The factory default setting is at 0000. (This function is not available yet with the first generation of the product)

#### Note:

To activate the setting a re-power on is required after each new setting.

### 6. USB Link Button

Press this button to allow the transmitter to be link up or unlink with the transmitter's USB input.

#### Note:

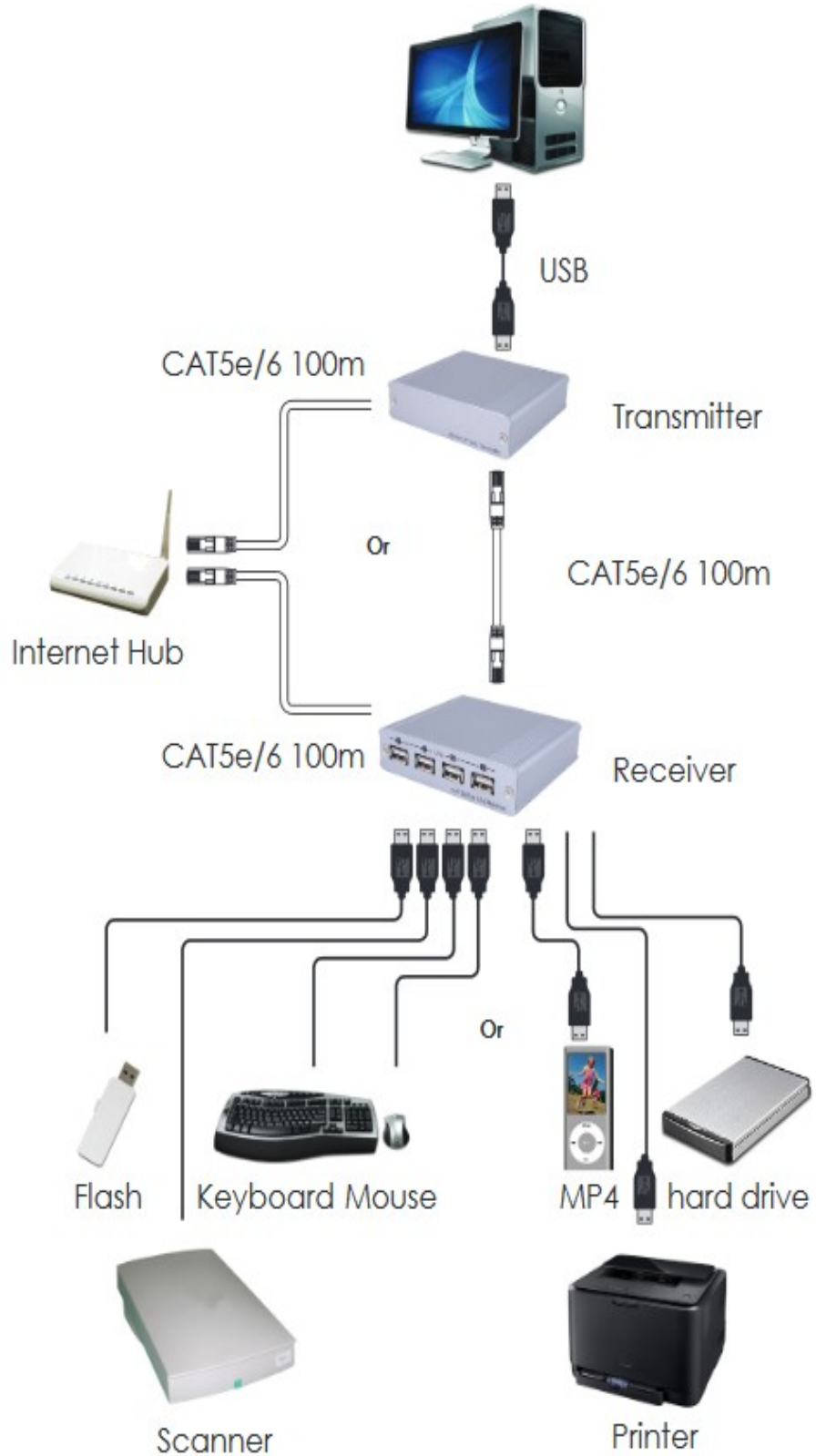
To activate the link a re-power on is required after each button pressed.

### 7. CAT5e/6 In

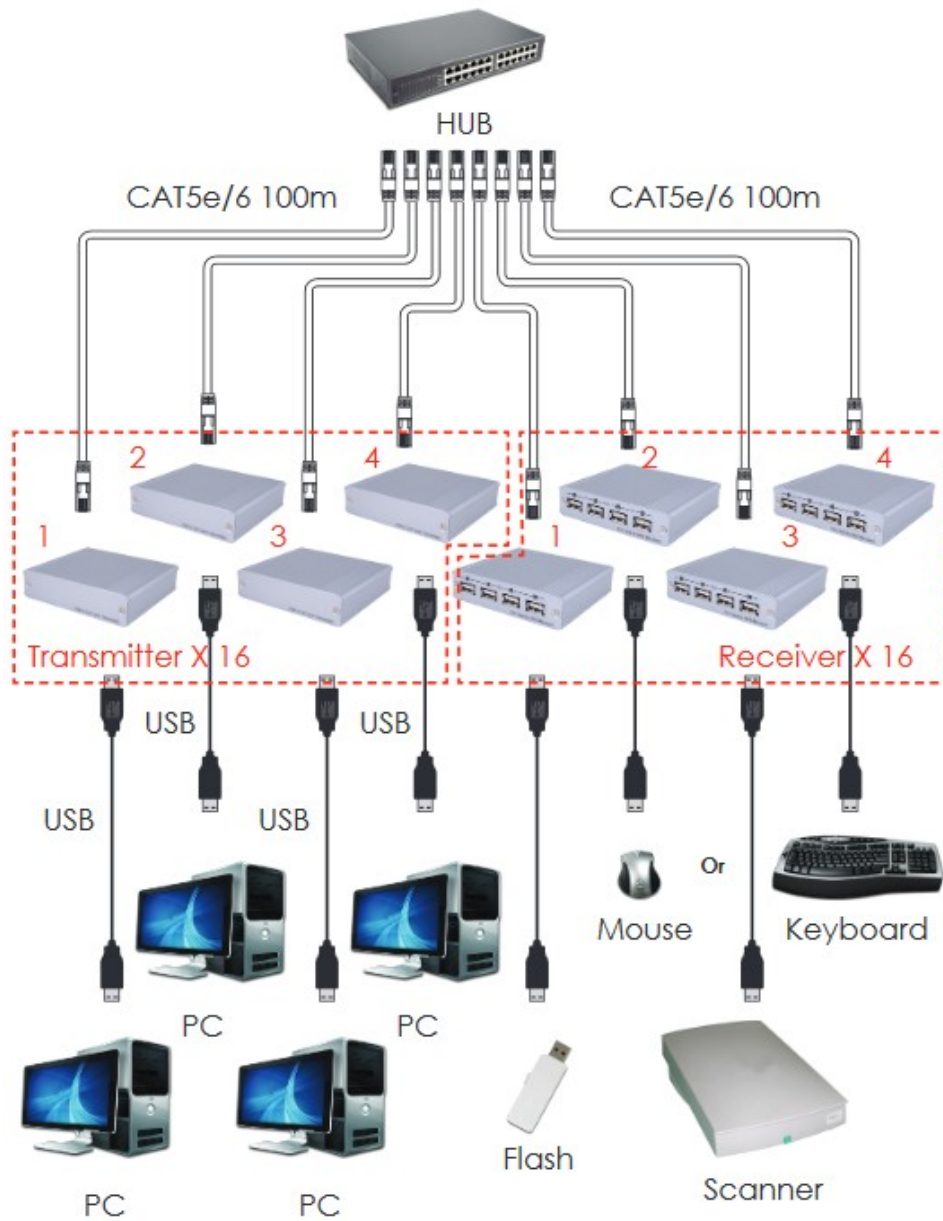
This slot is to connect with CAT5e/6 cable with receiver side's CAT5e/6 input. When both transmitter and receiver is connected the green LED will illuminate. When the data is sending the yellow LED will be blinking.

# Connection Diagram

## Example 1



## Example 2



## Specifications

### Transmitter

Input Port 1×USB (B-type plug)  
Output Port 1×RJ45

### Receiver

Input Port 1×RJ45  
Output Ports 4×USB (A-type plug)  
ESD Protection Human Body Model:  
± 10kV (air-gap discharge)  
± 6kV (contact discharge)

Power Supply 5V / 3A DC (US/EU standards, CE/FCC/  
UL certified)

Dimensions 102 mm (W)×90 mm (D) ×25 mm (H)

Weight 206 g/TX, 214 g/RX

Chassis Material Aluminum

Silkscreen Color Silver

Operating Temperature 0°C ~ 40°C / 32°F ~ 104°F

Storage Temperature -20°C ~ 60°C / -4°F ~ 140°F

Power Consumption 5.5 W/TX, 12 W/RX

Relative Humidity 20~90% RH (non condensing)