

H804TC INSTRUCTIONS



1. Abstract

H804TC is a RF wireless master controller. Multiple H804TCs synchronize by receiving signal from RF console. Maximum control radius of each H804TC can be up to 20Km. You can just control one RF console to control all H804TCs.

Slave controllers is H801RA, H801RC and H802RA. Auxiliary software is “LED Build Software”.

2. Performance

- (1). Wireless signal covers a wide area, maximum control radius of each H804TC reaches up to 20KM, controller number is unlimited(one RF console, unlimited H804TC within signal radius).
- (2). Each H804TC drives max 122880 pixels, for multiple H804TCs in synchrony, they can control millions of pixels.
- (3). Each H804TC connects max 96 slave controllers.

- (4). SD card supports FAT32, FAT16 format, maximum capacity is 64G bytes, stores up to 64 DAT files.
- (5). Playing speed adjustable range is 2—50 frames per second, brightness adjustable range is 0 — 15.
- (6). Support encryption on power on times.
- (7). For H804TC and slave controller, they transmit data based on standard Ethernet protocol, the nominal transmission distance is up to 100 meters. Photoelectric converter can make the transmission distance reach to more than 25 kilometers.
- (8). Electrical isolation, high anti-interference ability. Master controller and slave controller, slave controller and slave controller are isolated to prevent lightning strike and static electricity.
- (9). Flexible engineering configuration. Each slave controller can control diverse lamps, so the ports number and clock frequency can be different.

3. Operation Instructions

- (1). SD card must be formatted into FAT16 or FAT32 after many times of adding or deleting files. H804TC supports SDHC (High Capacity SD card), capacity is up to 64G bytes. Maximum 64 DAT files are allowed in SD card which are played based on the file name in alphabetical order.
- (2). If there is no card in slot, LCD screen displays "Please insert SD" H804TC starts reading data as soon as SD card is detected and LCD

screen displays "Reading...". If there is no valid DAT file in SD card, LCD screen displays "Not DAT File!". After reading data successfully, screen displays file number and starts controlling lamps.

(3). Press "MODE" to switch mode:

1) Speed: Range is 2—50 frames per second.

2) Bright: Range is 0 — 15.

3) Delay: how many seconds interval before H804TC retransmitting signal.

4) Net2StartNo: Start number of port2. For example: There are 40 slave controllers set up in SD card, if you set Net2StartNo to 31 on H804TC, port1 will output 1~30 slave controllers' data and port2 will output the last 10 slave controllers' data. If you set Net2StartNo to 1, two ports will output the same data.

(4). Without receiving signal, screen displays "H80xTC".

(5). After receiving signal from RF console, multiple H804TCs within signal radius will be in synchrony immediately, screen displays "*". You can switch files, adjust speed and brightness on RF console.

(6). Controller type, clock rate and other parameters must be properly set in "LED Build Software". Different slave controllers can drive different chips. So settings for different slave controllers can be different.

4. Specifications

Input Voltage	AC220V or 110V(customized)
Power Consumption	3W
Control Pixels Number	122880
Controlled Slave Controllers Number	96
Weight	1Kg
Working Temperature	-20C°--75C°
Dimension	L187 x W117 x H40
Installation Hole Distance	100mm
Carton Size	L205 x W168 x H69