

# User Manual

## 18 & 20Cue Radio Firing System Brief Introduction

This is our newest design in 2008. Professional waterproof design and up to date integrated circuit enhance performance and security of our new version firing system. Its complete function satisfies more clients with different requests. Moreover, it has input & output triggers which make it compatible with any of firing systems. Its nice-looking and favorable price are your best bet.

### *Function*

1. Remote control ignition.
2. Wire control ignition(in Sequence Mode)
3. Signal input/output Trigger ignition(in Sequence/All Mode)

### *Features*

1. Professional Water-proof design
2. High-tech integrated circuit and aseismic design
3. Digital LED for time-setting adjust
4. Twin keys safeguard
5. Intelligent battery protection at low pressure and over loading
6. Input& output trigger ignition
7. Rechargeable internal battery with great capacitance
8. Auto-testing on power-up
9. Outside and durable antenna

### *Function of buttons on the remote control*

1. 1-18 numerical button control cues respectively. That means when you press any one, the corresponding cue on the receiver will fire.
2. Button CONT set the sequence mode. Once press this button, the cues on the receiver will fire consecutively in order according to the set time.
3. Button STEP set the manual mode. Every press of this button will fire one cue from 1 to 18.
4. Button ALL set the all mode. Press this button will fire all 18 cues simultaneously.
5. One safe switch on the side face of the remote control to insure user's safety.

### *LED Digital Screen(4 lights indication and digital numerical display)*

1. ))))) is the transmitter to receiver indication. Red light shine indicate the OK connection.
2. P indicate the program of transmitter to receiver.
3. FIRE indicate the fire mode. Turn the function selection switch to FIRE position,

then the red fire light on

4. TEST indicate the test mode. Turn the Function Selection Switch to TEST position, the blue test light on and there will be no display on the screen.

**“ADD” “PROGRAM” “→” “↑” “OR/DELETE”**

**ADD** set the address of receiver from A01 to A16. This setting only need to be used in the condition of wireless control of one transmitter to many receivers by using the fourth channel of transmitter.

**PROGRAM:** Press this key until the P light goes out, this has finished the program of transmitter to receiver. That means the transmitter no longer control the receiver. After that, turn the function selection switch to middle(OFF) and then turn to FIRE again, press PROGRAM, P light shines and the program come back.

**→:** Choose the position of the number on the screen.

**↑:** Change the chosen figure.

**OK/DELETE:** confirm or delete the time setting. A little press means to confirm and a several-second press means to delete the setting. You can tell from the screen that the number glittery in the process of setting and steady after confirmation.

**Note ☆:** These two buttons( → ↑ ) are used to set the time ranging from 0.01s to 9.99s or the ALL mode.

## **INPUT&OURPUT MODE**

This mode are used to make a multi-receiver. Use high quality wire connect receivers(as many as you want) in series without limit. So it's perfect for the large pyrotechnic perform.

### **Battery Indication**

Digital LED indication for state of battery

RED LED shine indicate the charging process.

RED LED flash indicate the low power. That means you have to charge the battery.

GREEN LED shine indicate charge completed.

CH indicate the charge socket with a sealed battery with great capacitance. Charge the battery when the RED LED flashes. Every charge may need 4-5 hours and it's advised that someone should be there during charge in case fire.

### **Outside Antenna**

1. It was made of rubber and other materials, so it works well to pick up signals.
2. It is not easy to break owing to its rubber material.
3. Water-proof design.

### **High Quality Case**

High quality case is designed water-proof. So in the rainy or wet situation, user can

shut the cover after the connection of ignitor in order to protect the inside system.

### **FCC Statement:**

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.

Changes or modifications not expressly approved by the party responsible for compliance

could void the user's authority to operate the equipment.

**NOTE:** 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.