

EMB01-12R Firing System

Instruction Manual

Thank you for purchasing this EMB01-12R Wireless Fireworks Firing System. Please read these instructions carefully for a thorough understanding of how the firing system operates.

1. CAUTIONS

- This product is only used for igniting fireworks. The user must use this product according to the local laws and regulations.
- Please keep the power off when you are connecting the fireworks.
- Please keep away from the fireworks when you are igniting them.
- It is low voltage alarm while the Power LED blinks, please replace the battery.

2. Product Feature

- 12 cue
- Modes: Single Fire, Salvo Fire
- Frequency: OOK, 433MHz
- Transmitting Range: 1000 Meters.
- Supply Power: 9V Battery
- Could fire 3 pcs igniters in parallel or 6 pcs igniters in series.
- Temperature: -20°C — 60°C

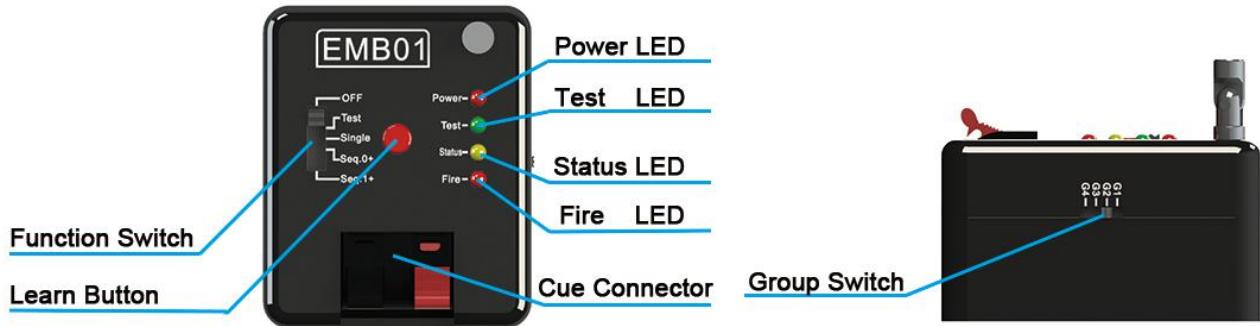
3. Item Included

System	Remote controller	Receiver	Transmitting Range
EMB01-12R	ETX2000-12	12 pcs EMB01	1000M



<u>1</u> 0.1	<u>2</u> 0.2	<u>3</u> 0.2
<u>4</u> 0.4	<u>5</u> 0.5	<u>6</u> 0.6
<u>7</u> 0.7	<u>8</u> 0.8	<u>9</u> 0.9
<u>10</u> 1.0	<u>11</u> ALL	<u>12</u> Step

4. Instructions



- Learn code of the transmitter: Turn the Function Switch to “Single”, “Seq.0+” or “Seq.1+”. Keep pressing the Learn Button until the Status LED lights, press the button of the remote controller within 3 seconds, the Status LED blinks.
- Turn the Group Switch to choose which group the receiver belongs to. The Firing System EMB01 can be divided into 4 groups, there are 12 receivers in each group. So it can be 48 sequence numbers while sequential fire and step fire.
- The sequence number of the receiver is according to the learned code and the group which the receiver belongs to.
- Keep the power off, and connect the fireworks.
- Turn the Function Switch to “Test”. If the Test LED lights, the fireworks is connecting well. Otherwise, it is not connected or it is bad.
- Turn the Function Switch to “Single”, “Seq.0+” or “Seq.1+”, keep away from the fireworks, then press the button of the transmitter, the receiver will ignite the fireworks, and the Fire LED lights at the same time.

5. Modes

- **Single Fire:** Turn the Function Switch to “Single”, press the button of the transmitter which the receiver has learned the code, and the receiver will be fired.
- **Salvo Fire:** Turn the Function Switch to “Seq.0+” or “Seq.1+”, press the button “All” of the transmitter, and all the receivers will be fired at the same time immediately.

6. Federal Communications Commission Notice

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.

Any 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.

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.