Kingdom New 1 Cue Wireless Firing System

KFE2201C
Instruction Manual

Contents

Disclaimer:

The manufacturer(s), distributor(s) and / or seller(s) accept no responsibility whatsoever for any damage, injury or loss, financial or otherwise, resulting directly or indirectly from the use, misuse, function or malfunction of this device. By purchasing and using this device you understand and accept this disclaimer.

Warning:

1. Only the person who has fireworks license is allowed to purchase the product, or the person of whom there isn't fireworks purchase limit in his/her country or district is allowed to purchase the products. Kingdom is not with responsibility for any illegal usage.
2. Safety is the user's responsibility. All pyrotechnic effect and firework safety guidelines should be followed completely.
3, You must deprogram the system prior to trying to re-program the module to prevent accidental code storage thereby creating a secure firing environment

Description:

This new 1 cue Firing System has been designed to fill the needs of those pyrotechnicians who need smaller cue counts that can be spread around the shoot site thus saving in wire and clutter. It is also widely used for the wedding celebrations, part shows, stage performance, movie special effects and some special occasions. Additionally, this system is capable of igniting consumer grade clip style igniters and professional grade e-matches.

Technical date sheet:

Module Size (cm)	5.5 x 5 x 4	Inner power (V)	4 x 1.5v AAA batteries
Unit weight (kg)	0.05	Test current (MA)	0.9
Range (meter)	150	Output power(V)	6.0

What is included:

12 Pieces of Individual Receiver Modules .
1 Piece of 3x20channel Transmitter-KFE2201C/60
1 Instruction Manual.

What is not included:

Batteries for Modules and Transmitter.

Deprogramming module and re-programming

You must deprogram the system prior to trying to re-program the module. This system has a fail-safe for digital rectifying that will prevent accidental code storage thereby creating a secure firing environment..

Step 1. Press and hold the **P** (program) button. The red LED above the button will illuminate for about 10 seconds. This LED light will go out when the code is deleted.

Step 2. Ensure that the transmitter(KFE2201C/60) is on and the slide switch is in 1-3 position. Extend the antenna on the receiver module. Press and release the **P** (program) button again. Immediately, press any button of the transmitter. Keep your fingers on the button until you see the signal LED blink. Which indicates the receiver module has locked onto the signal.

Step 3. You can test the receiver module by pressing the corresponding firing button on transmitter.

Firing mode definitions:

Single Fire: Fire individual cue.
All Fire: Will fire all cues from all the receiver modules on the selected firing button on transmitter at once.

CONT (Sequence Fire): Will fire all cues in sequence from one receiver module to another with a pre-set time delay between cues. There is the time marks below the firing buttons of transmitter.
Step Fire: Every time you push the step firing button on transmitter a cue will fire from one receiver module to another.

How to program:

1. Single fire:

Set the communication between receiver and any firing button from 1-20. The corresponding firing button can control the receiver module.

2. **Sequence fire:** Example receiver modules A, B, C.

Step 1. Set the communication between receiver A and firing button 1.
Set the communication between receiver B and firing button 2.
Set the communication between receiver C and firing button 3.

Step 2. Select the time delay button (Example button 17. the time delay is 2 second). Keep pressing this button, then press and release the **P** buttons on receiver modules A,B,C. You will see the signal LED will blink twice.

Step 3. Press CONT firing button, then every cue of receiver modules will fire at a time delay of 2.0 seconds.

3. **Step fire:** Example receiver modules A, B, C.

Step 1. Do the same as Step 1 (in sequence fire mode above)

Step 2. Keep Pressing **STEP** firing button, then press and release the **P** buttons on receiver modules A,B,C. You will see the signal LED will blink twice.

Step 3. Every time press **STEP** firing button, a cue will fire from receiver A to B to C.

4. **All fire:** Example receiver modules A, B, C.

There is two way to program it.

1, Do the same steps as Step 1(in sequence fire mode above)
Keep pressing **ALL** firing button, then press and release the **P** buttons on receiver modules A,B, C. You will see the signal LED will blink twice. Then press the **ALL** button. All the cues from A, B, C receivers will fire together.

2. Select one firing button from 1-20. For example, we choose button 1. Set the communication between each receiver module and firing button 1. then press button 1, all the cues from A, B, C receiver modules will fire together.

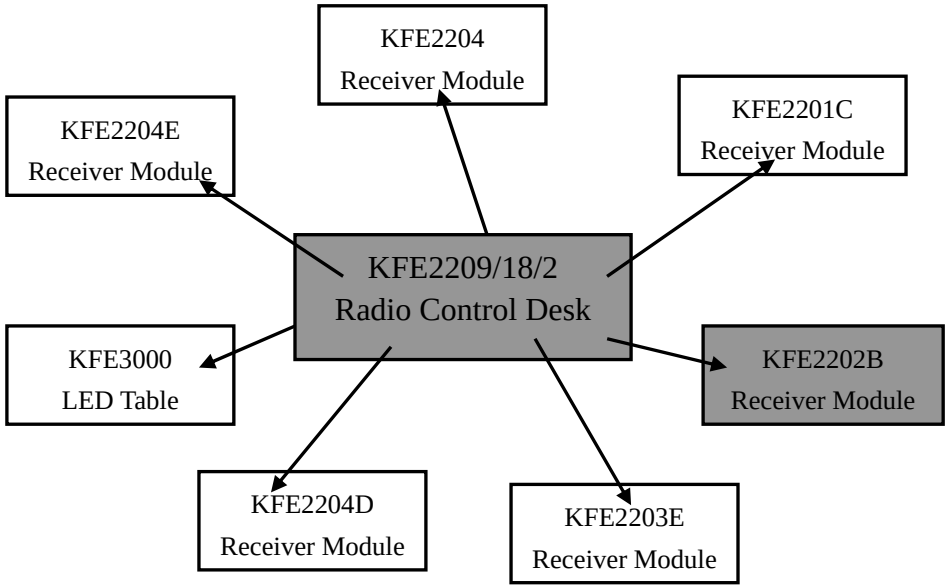
Notice: The battery indicator can also act as output indicator, that will help us to check the new setting if it is successful especially in sequence fire mode. Just hold on the **P** button then switch on the unit and release the **P** button immediately.

Over-loading Protection:

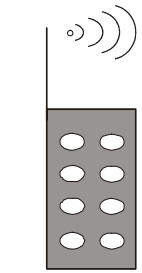
New version firing systems have overload protection function. The function is not through fuse, it is through special design in hardware and firmware. You don't need to worry about short igniter or any misoperation will damage the firing systems and don't need to replace fuse. It is a advanced technology can ensure the system for long time use.

Optional Upgrade

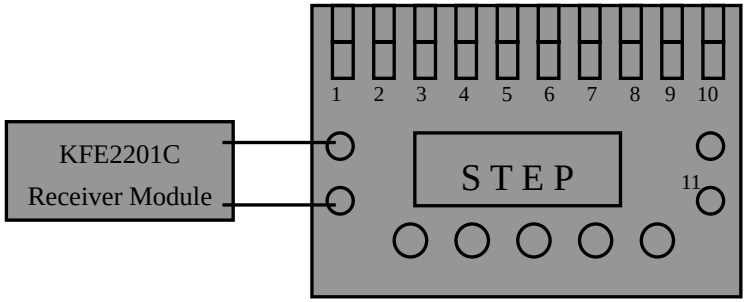
1. This system can also be controlled by radio control desk KFE2209/18/2. Combine it with our other firing systems in a show.



2. This system can also be used to upgrade our 10+1 cue stepper to 11 cue radio firing system that can be simply used to a small show controlled by radio control.



KFE2201C/60
Transmitter



KFE2213
11Cue Stepper

3. Optional Components:

KFE2201C/60 Transmitter | KFE2201C/1 Transmitter | KFE2209/18/2 Control Desk | KFE2210 Antenna

Teleconformity No: 2014RNB052R0

CE 2280