



Kingdom New 12Cue Wireless Firing System

KFE2203 **Instruction Manual**

Contents

Disclaimer-----	P2
Warning-----	P2
Description-----	P2
Technical data-----	P3
What is included-----	P3
What is not included-----	P3
Load the batteries-----	P3
Deprogramming Module and Re-Programming-----	P3
Step 1.....Step 2.....Step 3.....Step 4.....	
Firing Mode Definitions-----	P4
All Fire.....Sequence Fire.....Single Fire.....	
Over-loading protection-----	P4
Optional Upgrade-----	P4

Teleconformity No: 2014RNB060R0
C E 2280

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:

Kingdom proudly announces the newest wireless product in our firing line. This 12Cue Firing System has been designed to fill the needs of those pyrotechnists 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.

As with all our products, this one can be used safely and securely with our other systems. Additionally, it can be combined with our advanced control desk (KFE2209) offering you the ability to take control of all the operating systems in your show in one convenient location.

This system is not only powerful, compact and reliable, it also is expandable. Using just 1 remote transmitter, you can control many receivers discretely. If however you combine this with our control desk (KFE2209) you can control at least 40 pieces of receivers(increase the cue number up to 12x40=480cues) Likewise, you can also program multiple receivers to the same channel to infinity if you need simultaneous ignition from multiple firing locations.

Technical data sheet:

Module Size (cm)	18.2 x 14 x 7	Built-in power (V)	9 x 1.5V AA batteries
Unit weight (kg)	0.47	External power (V)	DC 12-24V
Range (meter)	200-250	Test current (MA)	1.0

What is included:

- 1 Piece of Individual 12 Cue Receiver Module
- 2 Pieces of Safety Keys.
- 1 Piece of 24 Channel Transmitter.
- 1 Instruction Manual.

What is not included:

Batteries for Receiver Module and Transmitter.

Load the batteries

This system can fire using either 9 x 1.5V AA batteries or any external battery between DC12–24V through the alligator clip wire(Optional). Please take note of the +/- terminal when use it.

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. Put the rocket switch to the (F) fire position, extend the antenna and switch on the concealed slide switch of the receiver module.

Step 2. Press and hold the red (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. It has deleted the previous program. No remote transmitter can control it anymore.

Step 3. Ensure that the transmitter is on and the function selector switch is in the right mode you want. Turn the key on the module to “ON” position. Extend the antenna.

Step 4. Press and release the red (P) program button again. Immediately press any firing button (1-12) on the transmitter. Keep your finger on the button until you see the firing LED lights. Which indicates the receiver module has locked onto the signal from the transmitter.

Notice: There is new changes to the new generation in 2014.

- 1.You can only choose either Single Firing or Sequence Firing mode on the transmitter. Each firing mode can store 2 security codes that is good for 2 transmitters which is used for back up and avoid of misoperation.
2. It shows no good connection between the igniter and receiver module if the test indicator is on.

Firing Mode Definitions:

All Fire: Will fire all cues at once on the selected firing button ALL.

Seq (Sequence Fire): Will fire all cues in sequence from cue 1 to cue 12 as the corresponding time delay marked beside the firing button.

Single Fire: 1-12 Fire individual cues.

Continue this deprogramming / reprogramming for every module. You can program one firing button to every module or multiple modules (an infinite number) if you want simultaneous firing on that firing channel.

Over-loading Protection:

2014 New version firing systems have Overload Protection. 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

If however you combine this with our control desk (KFE2209) you can control at least 40 pieces of receivers independently(increase the cue number up to 12x40=480cues). More information, please check the instruction of the radio control desk KFE2209.

