

RF1XG9 Module
User's Manual

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User's Manual-RF1XG9 Module

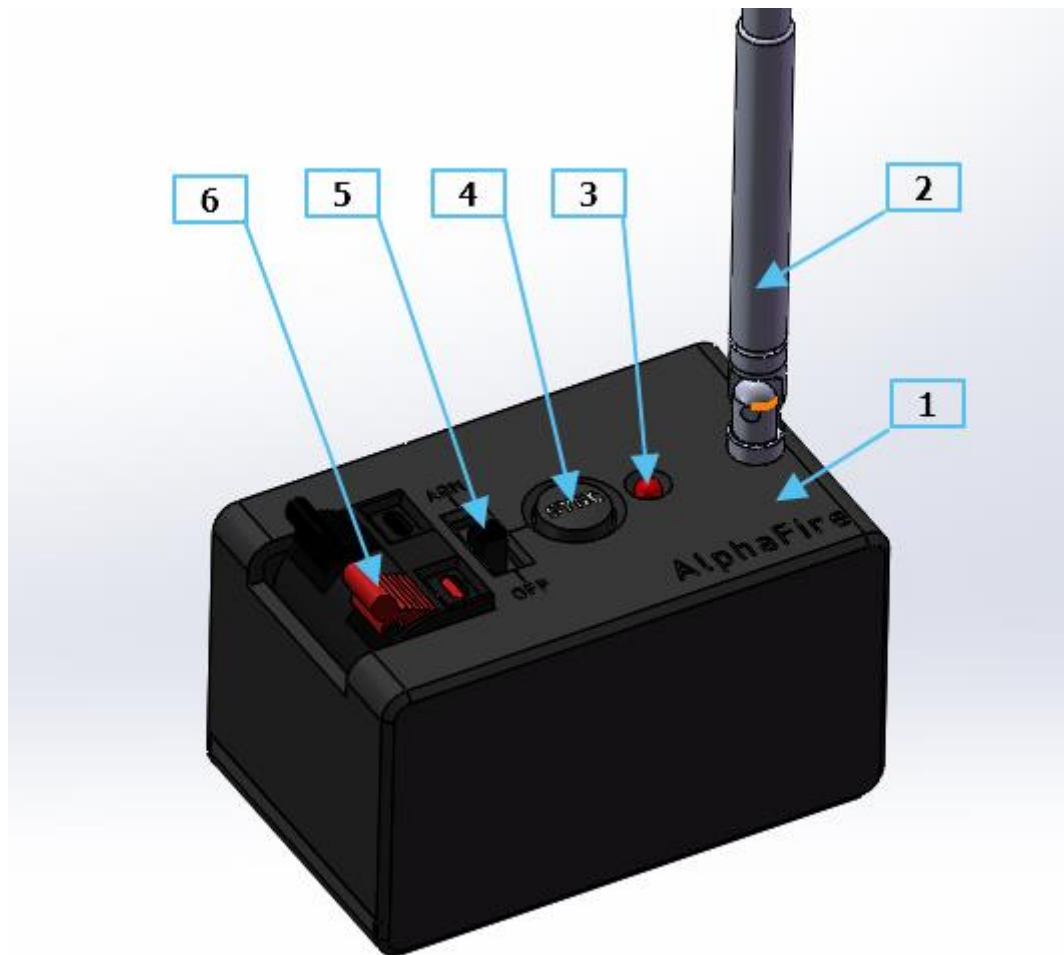
1. Warning!!!

This product is a kind of ignition device, prohibited to be used illegally, prohibited to be used by minors, and prohibited to be used without corresponding safety conditions. Users must strictly abide by the relevant local laws and regulations, and take necessary measures to ensure the safety of the process.

2. Product Description

- (1) Name: Firing module;
- (2) Model: RF1XG9;
- (3) Size: 62×38×46 (L×W×H);
- (4) Type: Code remote control;
- (5) Cue number: 1;
- (6) Modulation mode: OOK;

3. Product Appearance



4. Parts

- (1) Shell;
- (2) Antenna;
- (3) Indicator Light;

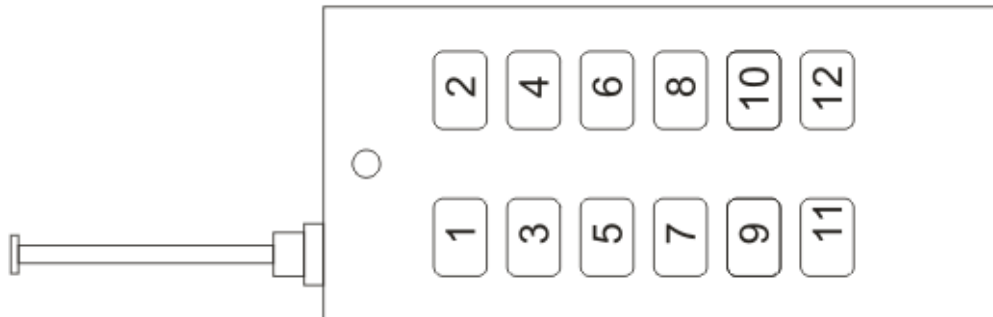
(4) "SYNC" Button;

(5) Three Position Switch;

(6) Igniter Terminals;

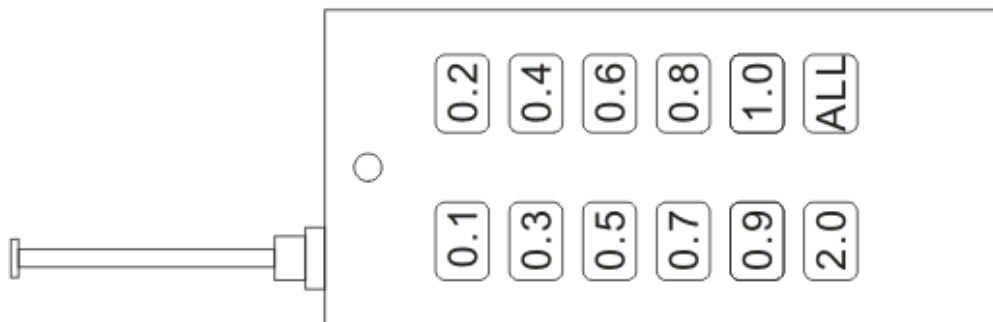
5. Matching Transmitters

(1) Transmitter A



Generally Transmitter A is also known as a individual Firing Transmitter with 12 keys. and each key can independently control the firing of a module.

(2) Transmitter B



Generally Transmitter B is also known as a interval firing transmitter with 12 keys, it is very convenient to fire a group of modules(no more than 12) in sequence by pressing any key, and the number marked on the key indicates the time difference between sequential firing of multiple modules, but the "all" key means that the time difference is equal to 0, i.e. ignite simultaneously.

6. Instructions

(1) Synchronization(SYNC)

Warning: Only when no igniter is connected, you can do synchronization!

Before the firing operation, the matching transmitters must be synchronized to the modules, the following is the synchronization process.

① Synchronize Transmitter A:

After the battery is installed, turn the three position switch of the module to the "SYNC" position (middle position), and the indicator light should be dim red. Press and hold the "SYNC" key until the indicator light turns orange (i.e. dim red and dim green at the same time), then press the synchronizing key of the transmitter A to send information within 3 seconds. When the indicator light flashes several times, it means that the module has been synchronized to this key. And then you may press this key to test the code, if the indicator light is

bright green, the synchronization is successful.

Finally, turn the three position switch to the "ARM" position, the indicator light should be dim red, and then press the synchronized key of the transmitter A to carry out firing test. If the indicator light is bright red, it means that the firing control is effective.

② Synchronize Transmitter B:

If you want to control the sequential/interval firing of a group of modules (no more than 12), you must synchronize all the modules to the keys on the transmitter A one-to-one at first, and then synchronize them to any key of the transmitter B, the synchronization process is the same as a key of the transmitter A.

(2) Firing

Turn the three position switch of the modules to the "OFF" position, connect the igniter with the igniter terminals, and then turn the three position switch to the "ARM" position. The indicator light should be bright green. You can use any key of the transmitter A to control the dividual firing of each related module, or use any key of the transmitter B to control the interval firing of a group of modules(no more than 12) in sequence. The number marked on the key of the transmitter B is the time difference between firing intervals (unit: Second),but the "all" key means that the firing interval time is equal to 0, i.e. ignite simultaneously.

7. Delete Synchronization

After the completion of the ignition project, in order to effectively avoid misfiring in the future, the synchronization shall be deleted. **The method:** Turn the three position switch of the module to the "SYNC" position (middle position), and the indicator light should be dim red. Press and hold the "SYNC" key until the indicator light turns orange (i.e. dim red and dim green at the same time),and do not release yet until the indicator light flashes several times, then no synchronization exists anymore , no transmitter can control the module.

8. Low Power Warning

When the battery power is insufficient, the indicator light will flash or go out, It means that the battery needs to be replaced.

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.