easypop

Instructions V1

IMPORTANT

Easypop does not use any pyrotechnics and so safe for use both indoor, and outdoor.

Overview

Easypop is an easy to use wireless balloon popping system for popping an almost unlimited number of balloons (depending on number of receivers). Using digital encoding, the wireless signal is secure and has a range of up to 100 meters (direct line of sight). The easypop system is deigned to work with the easypop fuses offering a safe, non-hazardous alternative to traditional electric pyrotechnic fuses.

First, prepare your chosen balloon size. Easypop will work with any size of latex balloon from 5" up to 36". The balloon can be filled with confetti, smaller balloons, streamers, the choices are limitless. You can inflate the balloon with Air, Nitrogen or Helium, any of which are safe to use with easypop.

Next, take one of the easypop receivers and connect the cable to the output terminals. You can connect them any way round, just as long as the wires are not touching each other.

Then remove an easypop fuse and attach it to the other end of the cable. At this stage it is a good idea to switch on the receiver. You should now see the Yellow Activation/Connection LED illuminate, this means that everything is working correctly.

Finally, using sticky tape, place the easypop fuse on to the widest part of the balloon. Hold the fuse and tape in place for a few seconds to let the adhesive stick.

The receiver can be switched on and left for up to 12hrs, letting you setup the pop well in advance, and the transmitter can trigger the pop from up to 100 meters away, so when the time is right, it will be just like magic!

Multiple pops are performed the same way by simply adding more receivers.

Transmitter

In the kit you a have single transmitter with 10 buttons (8 individual firing buttons, an "ALL" firing button and a "DELAY" firing button button).


On / Off Switch

EP0800

Receivers

The standard kit is supplied with 3 easypop receivers. The receivers are designed to operate with standard 9v PP3 (or equivalent) batteries (for best results we strongly recommend alkaline batteries).

Each receiver has 3 LED indicators showing Activation/Connection of an Easy-pop fuse, Power and Low Battery. On the top of the receiver is a side switch to switch it on and two terminals where you connect the easypop fuse.

Low Battery

Power

Activation/
Connection

Programming Button
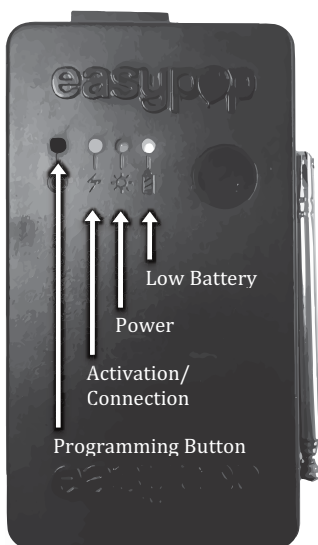
EP0100

Programming the Receivers

To programme a receiver to a specific button ID on the transmitter, firstly make sure the receiver is power on and you **do not** have an easypop fuse connected to it.

1. Using a cocktail stick or similar sized tool, press and hold the programming button located on the front of the receiver next to the LED indicators. The Green Power LED should now flash.

2. While continuing to hold the programming button, press and hold the corresponding button on the transmitter for the ID you would like assigned to the receiver.

3. Now release the programming button on the receiver.

4. Now release the button on the transmitter.

The receiver should now be assigned to the corresponding button on the transmitter. Test it by pressing the corresponding button on the transmitter, the Yellow Activation/Connection LED should illuminate. If you wish, you can assign multiple receivers to the same button.

Delayed Balloon Popping

The transmitter can be set to trigger the receivers one after another in a predefined delay. To achieve this, first make sure that you have programmed the receivers to their correct ID number (1 to 8 depending on the number of receivers you have).

1. Switch on all your receivers and make sure you **do not** have an easypop fuse connected to any of them.

2. Press an hold the "DELAY" button on the transmitter. When you initially press the "DELAY" button, the Yellow Activation LED may illuminate on the receivers. Continue to hold the "DELAY" button until the Green Power LED's Flash slowly.

3. Now press the corresponding delay required (see below) for at least 1 second.
   1 = 0.2sec
   2 = 0.4sec
   3 = 0.6sec
   4 = 0.8sec
   5 = 1 sec
   6 = 1.2sec
   7 = 1.4sec
   8 = 1.6sec

4. Now test the delay function by pressing "DELAY" on the transmitter for **no more** than 2sec. The activation LED on each transmitter should flash in sequence (it is sometimes easier to lay the receivers out in order of their firing sequence to verify you have programmed them correctly).

All at Once Balloon Popping

To activate all of the receivers simultaneously (regardless of their ID), simply press "ALL" on the transmitter.

Using the system

To use the system, simply attach an easypop fuse to the widest part of the balloon using sticky tape and then connect the supplied cable to the terminals of a receiver. Now plug the other end of the cable on to the easypop fuse. Next, switch on the receiver and if the connection to the easypop fuse is made correctly, the Yellow Activation/Connection LED on the receiver will illuminate along with the Green Power LED.

Now switch on the transmitter. The system is now armed and ready. To "Pop" the balloon, simply press:-

1. The button that corresponds to the number on the receiver and the balloon will pop or

2. Press "ALL" to activate all the receivers or

3. Press "DELAY" to activate the receivers in a delayed sequence.

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 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.