

ProMystic Color Match

Thank you for purchasing ProMystic's Color Match. Imagine – being able to know the exact color being used at any moment in time!

Everything happens completely in the hands of the spectators. No visual cues! No assistants! Do it anywhere, any time – surrounded, up close, and personal. Use one or multiple participants. Color Match can be a closer for all your shows.



What you receive

Your package contains some or all of the following:

Markers – Multi Color Markers Crayola Brand

Close-Up Case - Close-up case for 3 markers (optional)

Transmitters – Five custom-made mag tags

Receiver – ProMystic modular receiver (optional)

Magnet – Neo Magnet for the pencil cup (please see WARNINGS)

Pencil Cup – Pencil cup for holding the Markers during performance

- Batteries:

- for receiver (2): CR2032

- for transmitters (1 each): CR1225 or BR1225

Color Match is Built with Quality to Last a Lifetime

www.promystic.com

The Receiver

How to turn it on and off

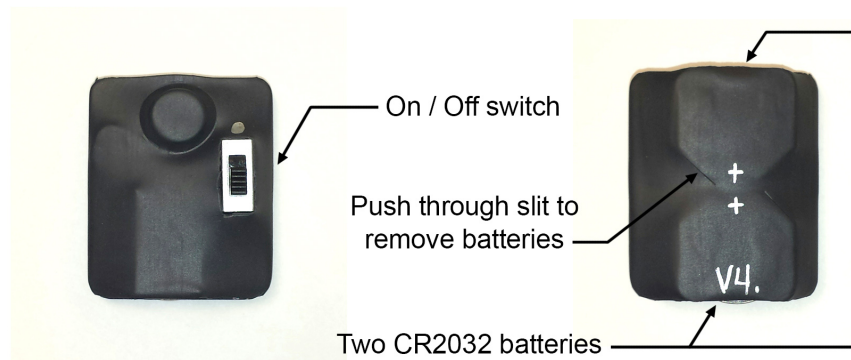
Slide the on/off switch. (See photo, below left.) When you switch the receiver on, it will vibrate for one second, letting you know it is activated. It does not vibrate when you switch it off.

How to install batteries

The receiver comes with two CR2032 batteries already installed. When the batteries are drained, the receiver will give one long, weak buzz, or just stop working. You'll notice that the range also decreases when the battery is low.

To install new batteries:

- Remove the old battery by pushing it out of the battery holder with a non-metallic object – a toothpick, pencil, or corner of a credit card.
- Look for the “+” indicator on the battery, and hold it with that side toward you. Slide it into the battery holder. (See photo, below right.)



Battery tips

Good batteries will give you about 20 hours of active performance time. I recommend Panasonic, Sony, Energizer, or Renata. You can buy them online for less than \$1 apiece. I get my batteries at www.digikey.com. Keep new batteries on hand, storing them so they don't contact each other or other metal.

You should keep the receiver off when you're not using it, or the battery will drain. You do not need to remove the batteries.

If you're performing for more than an hour, keep the receiver turned off as much as possible. Leaving it on for hours drains the batteries quickly. Using it for ten minutes at a time will give you much better battery life, because this allows the lithium batteries to recover from the load.

Theory of Operation

Color Match

Color Match is performed by using five ProMystic Mag Tags installed into the markers. When the markers are placed on a magnetic base, like the one installed in a pen cup or the close-up marker holder, the tag will send the 'number' of the tag one time. You will receive the signal once. The receiver will repeat the number of the tag once, after it is placed on the magnet. The tag will then send signals when removed from the magnet, like when it is removed from the pen cup or close-up marker holder.

Default signal repeats for tags:

Tag #	Place tag on Magnet	Removed tag from Magnet
1	1	4
2	1	4
3	1	3
4	1	3
5	1	3

Programming Tags

ProMystic strives to make our systems as flexible as possible without sacrificing ease of use and reliability. The tags can be programmed at the ProMystic shop to suit your performance needs. This includes setting them to a custom frequency or simply changing the number of signals sent by the tags when removed from a magnet.

Battery Life

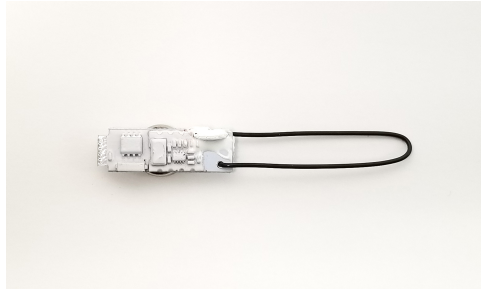
The power conservation technology used in these tags is very advanced. Each tag is running several hundred lines of software to monitor the environment while in a very low power sleep state. The tags are always off unless they detect a change in magnetic field. They monitor this from a very low power state. Once detected, they determine what to do.

The best part is that the batteries will literally last more than 6 months and you will never have to turn them on or off. You can just put them in the pencil cup or close-up marker holder and you are ready to go. They are actually designed to last much more than six months, so please don't change them for a long time.

Setting Up the Markers

The Tags

It is very important you follow these steps to protect your tags. **WARNING!** The ink in the markers is **HIGHLY CORROSIVE!** Don't let the size of the tags fool you, they are quite complex both in design and environmental function. The tags have been specially engineered to prevent corrosion from nearly all chemicals, including acids, salts and other penetrating substances. The number marking on the tags may wear off as the ink pens cannot penetrate the plastic coating to adhere.



The Markers

The markers are really easy to set up. First you must install the batteries in the tags. The tags should then be protected from the marker ink by wrapping them in plastic wrap and a small piece of tape, or by using Glad Press'n Seal plastic wrap as shown in the video. Next, remove the bottom from the marker to access the ink cartridge. Take the sealed mag tag and insert the antenna end into the pen, sliding it along the side of the gaffed ink cartridge. For the best fit, make sure the battery side of the tag faces inward, toward the center of the marker.

1. If you are performing with the pencil cup, push the tag into the marker ½ inch above where the base will stop
2. If you are performing with the walk-around holder, position the tag as close to the bottom the tag as possible.



Pencil Cup and Close-Up Case

When performing with the pencil cup, use a 1/8 inch neo Magnet in the base of the cup. The magnet should cover the bottom of the pencil cup as much as possible. Try to avoid gaps in the edge that are more than 1/4 of an inch. Place the markers into the cup; test the markers as shown in the video for proper operation. If you find there are 'dead' spots in the cup, position the tag higher in the marker.

When using the Close-Up case, position the tags in the marker as close to the base as possible. Put the markers into the holder, they should fit firmly so they do not move around. Test them for proper operation, twisting the marker in place if you do not get a signal when inserting the marker.

You are ready to perform. Please look at the ebook and online videos for performance ideas.

Thanks,
Craig Filicetti

WARNING! - Neodymium Magnet Safety

Color Match contains neodymium magnets. The neodymium magnets are strong and must be handled with care to avoid personal injury and damage to the magnets. Fingers and other body parts can get severely pinched between two attracting magnets. Neodymium magnets are brittle and can peel, crack, or shatter if allowed to slam together. Eye protection should be worn when handling these magnets, because shattering magnets can launch pieces at great speeds.

The strong magnetic fields of neodymium magnets can also damage magnetic media such as floppy disks, credit cards, magnetic I.D. cards, cassette tapes, videotapes, AND other such devices. They can also damage televisions, VCRs, computer monitors, and other CRT displays. Never place neodymium magnets near electronic appliances.

Children should not be allowed to handle neodymium magnets, as they can be dangerous. Small magnets pose a choking hazard and should never be swallowed or inserted into any part of the body.

Never allow neodymium magnets near a person with a pacemaker or similar medical aid. The strong magnetic fields of the magnet can affect the operation of such devices.

Being brittle, neodymium magnets are prone to chipping and cracking. They do not take kindly to machining.

Neodymium magnets should never be burned, as this will create toxic fumes.

IMPORTANT WARRANTY

Promystic products are warranted (i) against defects and workmanship and (ii) that when properly used, will execute their programmed instructions, for a period of 1 year from the date of product purchase. We will, at our option, repair or replace Promystic products that prove to be defective either upon your receipt or through normal usage.

If a defective Promystic product has been obsolete by us or is no longer in production and deemed to be non-repairable, we will, at our option, provide an equivalent product or system or provide a trade-in credit.

WE DO NOT WARRANT THAT THE OPERATION OF A PROMYSTIC PRODUCT, ITS FIRMWARE AND HARDWARE, WILL BE UNINTERRUPTED OR TOTALLY ERROR FREE.

LIMITATIONS OF WARRANTY

The foregoing warranty shall not apply to defects resulting from maintenance performed by anyone other than us, modifications made by you or any third party, misuse, abuse, neglect, accident, repair, improper installation, alteration, mishandling, operation outside the environmental specifications for the product, or improper settings or maintenance.

EXCLUSIVE WARRANTY

THIS WARRANTY WILL CONSTITUTE OUR SOLE AND EXCLUSIVE LIABILITY AND YOUR SOLE AND EXCLUSIVE REMEDY FOR BREACH OF OUR PRODUCT WARRANTY, AND WE WILL HAVE A REASONABLE TIME IN WHICH TO PROVIDE THE REMEDY. YOU ACKNOWLEDGE THAT THIS WARRANTY SHALL BE IN LIEU OF AND TO THE EXCLUSION (TO THE FULLEST EXTENT PERMITTED BY LAW) OF ANY OTHER WARRANTY, CONDITION, TERM OR UNDERTAKING OF ANY KIND, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, RELATING TO OUR PRODUCT INCLUDING (WITHOUT LIMITATION) ANY AS TO THEIR CONDITION, QUALITY, PERFORMANCE OR FITNESS FOR A PURPOSE. IF YOU ARE A CONSUMER THE ABOVE ALL SHALL NOT ACT TO EXCLUDE YOUR STATUTORY RIGHTS.

Model: CM

FCC ID: 2ARYL-CM

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.

CAUTION: Modification or changes to this equipment not expressly approved by the manufacturer may 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.
- Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.