



*dye*®



*ADVANCED PERFORMANCE MARKER*



**2017 OWNER'S MANUAL**

# THE CHOICE OF CHAMPIONS™



= HYPERLINK TO MORE INFORMATION



## INCLUDED WITH YOUR M-2 MARKER

- 3 Piece barrel kit
  - (1) 14" UL Barrel tip
  - (1) .684" UL Barrel back
  - (1) .688" UL Barrel back
- Dye multi tool
- 1/4oz slick lube
- Parts kit
- Barrel sock
- Customer support passport
- Software upgrade cable
- Charging cable
- Digital copy of owner's manual
- Warranty card



[SEE M2 COLOR OPTIONS](#)



[ICON GLOSSARY](#)



PRISM INTERFACE  
SYSTEM

METHOD OPERATING  
SYSTEM AIR



CFC  
CABLE FREE  
CHARGING



GAS-THRU



RECHARGEABLE  
BATTERY



BILLY WING  
FUSE  
PATENTED BOLT SYSTEM



e.Voke  
COMPATIBLE  
PATENT PENDING



MAG-REACH  
TRIGGER



SHIFTPORT  
ASA



LOWPROFILE  
DESIGN



ULTRALITE  
45 FRAME  
PATENTED



HYPER 5  
REGULATOR



UNIVERSAL  
SERIAL BUS



INTERNAL  
PRESSURE  
SENSORS



QUICK  
RELEASE  
BOLT



EYE PIPE PLATELESS  
ENCLOSURE  
PATENTED 3RD GENERATION



# WARNING

## IMPORTANT SAFETY INSTRUCTIONS AND GUIDELINES

- The M2 marker is not a toy. Misuse may cause serious injury or death.
- Please read, understand and follow the directions in the M2 owner's manual.
- Eye protection that is designed specifically for paintball and meets ASTM/CE standards must be worn by user and persons within range.
- Recommend 18 years or older to purchase. Persons under 18 must have adult supervision.
- Always treat the M2 marker as if it were loaded and able to fire.
- Only use compressed air or nitrogen gas in the M2 marker. DO NOT USE CO<sub>2</sub>.
- Do not exceed 850 psi input pressure.
- Ensure all screws and components on M2 are tightened and secured before gassing up.
- Always chronograph the M2 marker before playing paintball.
- Never shoot the M2 marker at velocities in excess of 300 feet per second, or at velocities greater than local or national laws allow.
- Never look into the barrel or breech area of the M2 when the marker is switched on and able to fire.
- Always fit a barrel-blocking device to your M2 when not in use on the field of play.
- The owner's manual should always accompany the product for reference or in the event of resale and new ownership.
- Do not point the M2 marker at anything that you do not intend to shoot.
- Do not shoot at people, animals, houses, cars or anything not related to the sport of paintball.
- Do not fire the M2 without the Fuse™ bolt locked in place.
- If you read these instructions and do not fully understand them or are unsure of your ability to make necessary adjustments properly, call DYE or your local pro shop for help.

# M2 OWNER'S MANUAL

## TABLE OF CONTENTS



IMPORTANT SAFETY INSTRUCTIONS AND GUIDELINES .....	PAGE 01
QUICK REFERENCE .....	PAGE 02
PRISM INTERFACE .....	PAGE 03
METHOD OS AIR (MOSair) .....	PAGE 04
TRAINING MODES .....	PAGE 10
SOFTWARE & BOOT SCREEN UPGRADE .....	PAGE 11
RECHARGEABLE BATTERY .....	PAGE 13
MAG-REACH TRIGGER ADJUSTMENT .....	PAGE 14
STICKY GRIP .....	PAGE 15
FUSE™ BOLT .....	PAGE 16
HYPER5™ .....	PAGE 18
LOW PRESSURE REGULATOR (LPR) .....	PAGE 20
SHIFTPORT ASA .....	PAGE 22
LOCK DOWN CLAMPING FEEDNECK .....	PAGE 23
EYE PIPE ANTI CHOP EYES/BALL DETENTS .....	PAGE 24
TROUBLE SHOOTING GUIDE .....	PAGE 25
M2 MENU TREE .....	PAGE 27
EXPLODED VIEW .....	PAGE 28
WARRANTY INFORMATION .....	PAGE 29



## AIR SUPPLY

The M2 should be operated using air/nitrogen gas only. This air needs to be supplied at a regulated pressure of no more than 850 psi.

## GASSING UP YOUR M2

Screw in your air system to the Airport and rotate the side lever counter clockwise until the internal stop is reached.

## TURNING ON YOUR M2

### Power up M2 marker.

**Note: Be sure to fully charge your M2 marker before first use.**

To power on your M2 marker depress and hold the joystick located on the back strap of the grip frame, for 2 seconds. The LED will illuminate and the boot up screen will be displayed on the OLED.

The eye system is automatically powered on during boot up.

**To turn the eyes on or off, press and hold the joystick down for 2 seconds.**



**Blue:** Boot sequence

**Red:** Breech is clear, no ball (eyes on)

**Green:** Ball in breech, ready to fire (eyes on)

**Blinking Red:** Eyes are off

**Blinking Green:** Eye failure

## HOPPER

To get the best performance out of your M2, it is recommended that you use a motorized loader. Preferably, the R-2™ Loader.

## WARNING

- **A LOW BATTERY WILL NOT BE ABLE TO POWER BOTH THE ACE EYE AND THE TRIGGER SWITCH, CAUSING ACE EYE FAILURE.**
- **IF THE BATTERY IS LOW, IT MAY NOT BE ABLE TO POWER THE SOLENOID CORRECTLY. THIS WILL AFFECT THE M2'S VELOCITY, CAUSING IT TO BECOME INCONSISTENT AND/OR LOW.**

## BATTERY CHARGING INSTRUCTIONS

The M2 marker uses a rechargeable battery.

To access the M2's charging port open the dust cover labeled USB on the upper left side of the grip. Lift and rotate the cover out of the way.

In order charge your M2 marker, simply use any standard micro USB cable and power supply. A micro USB cable is provided with the marker.

Plug the full size USB end of the cable into any standard power supply adapter (car charger, wall charger, computer, etc.) See page 12 in manual for complete battery detail.

## LED LIGHT COLOR INDEX-CHARGING

**Blinking Blue:** Charging up to 95%

**Blinking Green:** Charging up to 95% - 99%

**Solid Green:** 100% charged

## BASIC VELOCITY ADJUSTMENT

The velocity is CONTROLLED through the Hyper5™ regulator. The Hyper5™ is preset from the factory at approximately 140 psi. This pressure setting should have the marker shooting at about 285fps. Your paint-to-barrel fit will also have a noticeable effect on your velocity.



**You can adjust your velocity through the Hyper5™ regulator, located in the fore grip. To adjust the velocity, insert a 3/16" Allen wrench into the bottom of the fore grip.**

**Turning the Allen wrench clockwise, or in, will lower the output pressure, decreasing the velocity. Turning the adjustment screw counterclockwise, or out, will raise the output pressure, increasing the velocity.**

## LPR - LOW PRESSURE REGULATOR

The LPR is factory set at approximately 65 psi and should need no adjustment out of the box. See page 19 for detailed instructions on fine tuning. If the LPR is improperly adjusted, you could dramatically hinder the performance or prevent the marker from functioning at all.

**NOTE: Turning the adjustment screw clockwise, or in, will lower the LPR's output pressure. Turning the adjustment screw counterclockwise, or out, will raise the LPR's output pressure.**



## PRISM INTERFACE

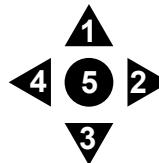
### THE PRISM INTERFACE AND METHOD OS air

The massive 1 inch, full color, high resolution OLED screen, combined with the 5-way Joystick provides simple control of the M2. Intuitive navigation gives you access to DYE's Method Operating System. Prism is an intuitive interface, for an advanced operating system. The joystick control index will help you become quickly familiarized with interfacing with the Method Operating System.

Dye's new MOSair gives the operator unparalleled access to precision tuning, vital performance feedback, and service reports. Not only does the new operating system take the M2's performance to the next level, it also actively tracks important sub systems to make sure our marker is kept running at its best. Customize nearly every aspect of the M2 to your exact playing specifications. With 5 different customizable player profiles you'll be ready for any environment, and rule book.



### 5-WAY JOYSTICK CONTROL INDEX



	PLAY MODE		PROFILE SELECTION DISPLAY		SETTING ADJUSTMENT MENUS	
1	ENTER PROFILE SELECTION DISPLAY (HOLD FOR 2 SEC)		SCROLL UP (TAP)	RETURN TO PLAY MODE (HOLD FOR 2 SEC)	VALUE UP (TAP)	EXIT TO PROFILE SELECT (HOLD FOR 2 SEC)
2	GAME TIMER START/STOP (TAP)	GAME TIMER RESET (HOLD FOR 2 SEC)	NO FUNCTION		SCROLL RIGHT THROUGH MENU (TAP)	
3	EYES ON/OFF (HOLD FOR 2 SEC)		SCROLL DOWN (TAP)		VALUE DOWN (TAP)	
4	SYSTEMS CHECK (TAP)	SHOT TRACKER RESET (HOLD FOR 2 SEC)	NO FUNCTION		SCROLL LEFT THROUGH MENU (TAP)	
5	POWER ON/OFF (HOLD FOR 2 SEC)		SELECT PROFILE (TAP)	ENTER SETTING ADJUSTMENT MENU (HOLD FOR 2 SEC)	SELECT SETTING TO ADJUST (TAP)	SAVE VALUE (TAP)



### POWER ON

Press and hold the center of the joystick for 2 seconds. The M2 will boot up, during the boot up process the boot screen will be displayed. After boot up, the board will enter the Play screen. The gun is now ready to be fired.

### POWER OFF

Press and hold the center of the joystick for 2 seconds. The board will automatically shut down if the marker is not used for a set period of time. You can adjust the auto shut off time. See Auto Shut Off under Data Settings (page 7).

### LED LIGHT COLOR INDEX

**Blue:** Boot sequence

**Red:** Breech is clear, no ball detected inside the M2 (eye is on)

**Green:** Ball in breech, ready to fire (eye is on)

**Blinking Red:** Eye is turned off

**Blinking Green:** Eye failure, eye is blocked or dirty (see M2 Eye, page 23).

To turn the eyes off, press and hold the joystick down for 2 seconds until the light begins flashing red.

**NOTE: You able to force the M2 to fire with eyes on and no ball in the breech. To do so, depress and hold the trigger for 1 second.**

### BOOT UP SCREEN

The boot screen will be displayed for 4 seconds. You can select between 4 pre-set screens or you can download your own personal boot screen. See the Select Boot Screen section under Data settings (see page 6).

### SOFTWARE VERSION

The software version is displayed at the bottom of the standard boot screens. The software version will not be displayed on custom boot screens.

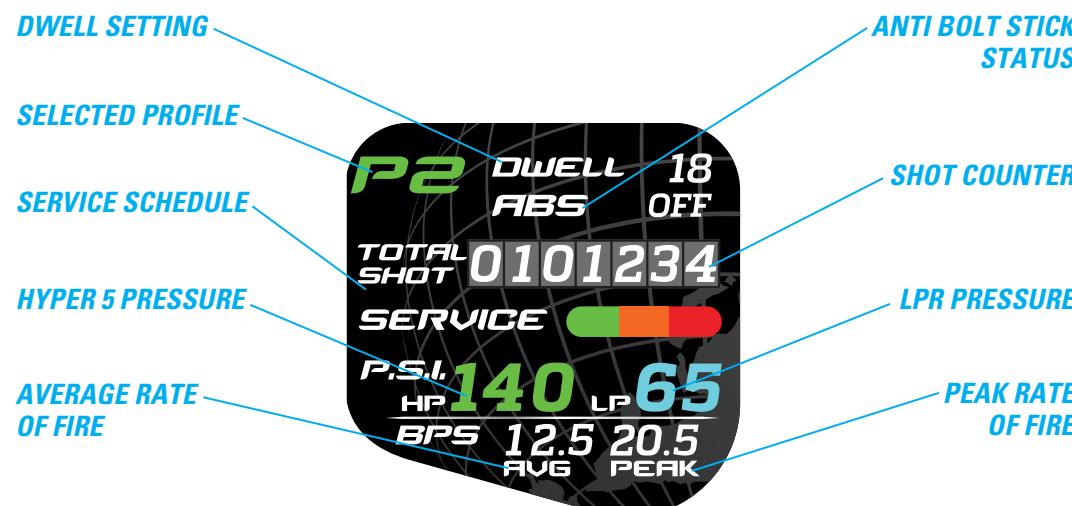


# METHOD OS AIR (MOSair)



## PLAY SCREEN

You are able to select between 3 play screens depending on what information you wish to have displayed. Option 1 is the default setting, for more play screen options see Select Play Mode Screen under Data Settings (page 6).



## SYSTEMS CHECK SCREEN

From the Play screen you can quickly access the Systems Check screen by pressing the Joystick LEFT. The Systems Check screen gives you a quick overview of your gun's primary operating settings and service status. The screen will automatically return to the Play Screen after 10 sec.



## PROFILE SELECTION

To enter into Profile Selection screen press and hold the joystick UP for 2 seconds. This will take you to the profile selection screen. Scroll up and down to hi-lite the profile you wish to select. Press the CENTER of the joystick to select the highlighted profile. The selected profile is indicated in the upper right corner.

There are 5 fully adjustable profiles and 1 locked Factory default profile. Once you have selected your desired profile press and hold UP on the joystick to return to Play Mode screen, or press and hold the CENTER of the joystick to enter into the Settings Adjustment menu.



## SETTINGS ADJUSTMENT

Enter settings adjustment menu from the profile selection screen, after selecting the profile you wish to adjust press and hold the CENTER of the joystick. Scroll left and right to display either Performance or Data settings. Press the center of the joystick to select the displayed category.

Settings are separated into two categories: Performance and Data.



**PERFORMANCE SETTINGS** will affect the M2's shooting performance. These settings are not adjustable when the tournament lock is on.



**DATA SETTINGS** are for reviewing collected data, display controls, and system parameters.

Scroll left or right to display menu options. Press the center of the joystick to select the displayed menu option. Once selected the setting's values can be adjusted using the joystick. Once the desired value or setting has been entered Press the center of the joystick to save the value, and continue scrolling through menu options.

**NOTE: To exit scroll till the "exit" screen appears and then press the center of the Joystick. At any point you can also press and hold the Joystick UP to exit to the Profile selection screen.**



## PERFORMANCE SETTINGS



### GAME CLOCK

Set countdown game timer. (Default 2:30) To operate game timer in play mode press the joystick right to start and stop the game timer, Press and hold the joystick right for 2 seconds to reset.



### TRIGGER SENSITIVITY

Values 1 - 20 (Factory Default 3)

Trigger sensitivity is the amount of time that the trigger must be released before the next trigger pull is allowed.



### RATE OF FIRE

Values 1 - 25 (Factory Default 12.5 bps)

The ROF setting is used to set the maximum rate of fire. ROF is adjustable by 1/10th per second.



### FIRE MODE

(Factory Default Semi-Auto)

Choose between 5 different fire modes:

Semi-Auto: One trigger pull = one shot

Millennium/ NXL Ramp: Compliant with Millennium series rules

Burst: Compliant with PSP series rules

Full Auto: Continuous fire with trigger depressed after 3rd trigger pull

Outlaw: Customize PPS, pulls to start, burst or ramp. Select Outlaw mode and follow prompts to customize fire mode



### DWELL

Values 1 - 30 (Factory Default 15)

Dwell is the amount of time, in milliseconds, that the solenoid is activated for each shot. Setting the dwell too high will decrease air efficiency, setting the Dwell to low will not be sufficient to ensure the gun will cycle properly.



### ABS

Anti Bolt Stick - Values off-10(Factory Default 6)

ABS is the amount of time, in Milliseconds, that the dwell is increased for the first shot after a period time of no shots. This is to help prevent bolt stick, and first shot drop off.



### ABS WAIT TIME

Values 10-90 seconds in increments of 5 sec (Factory Default 20)

ABS wait time is the time, in seconds, that must expire between shots before the ABS activated.



### EYE DELAY

Values 01-20 (Factory Default 3)

Eye Delay is the amount of time, in milliseconds, that the eyes must read a paintball in the breach before the M2 is allowed to fire. This helps to prevent ball chop in the breach. It is recommended to increase the Eye Delay for slower feeding loaders.





## DATA SETTINGS



### CUSTOMIZE PROFILE NAME

(Factory Defaults P1-P5, Factory)

Personalize each Profile with a distinct name to help identify them. Move the joystick up and down to scroll through letters numbers and special typescript. Move the joystick left and right to change the next character.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n o p q r s t u v w x y z  
! " # \$ & ' ( ) \* + , - . / : ; < > = ? @ [ ] \ ^ \_ ' %  
0 1 2 3 4 5 6 7 8 9



### SELECT PLAY SCREEN

Values 1-6 (Factory Default 1)

Select the best play mode screen for your style of play.

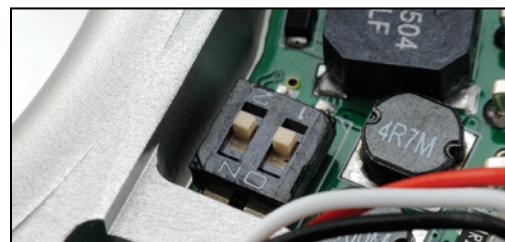


### SELECT BOOT SCREEN

Select your favorite Boot screen from the 4 pre-set options, or download your own personalized boot screen. For directions on how to download a custom boot screen see the programming section on page 12. All standard boot screens display software version.



## DATA SETTINGS



### SHOT TRACKER

The shot tracker helps you monitor your paint consumption during a game or a day. choose between countdown and sum track. The Shot tracker can be set to zero from the Data settings Menu. And reset from the play mode screen. To reset from the Play mode screen press and hold the joystick left for 2 seconds. When you select countdown track in the data settings menu you will be prompted to enter your how much paint you will start with. Tap joystick up and down to adjust. When starting count is displayed tap center of joystick to save. Once you exit to the play screen every shot will be tracked.

### TOTAL SHOT COUNTER

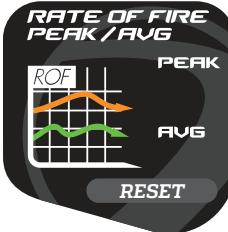
The total Shot Counter cannot be re-set, it is used to monitor systems and service schedules. The total Shot Counter also indicates that the gun was tested at the factory prior to shipping. It is also a strong indicator of how much use the M2 has seen in its life.

### POWER OFF OPERATION

Select how to power your M2 off. How do you prefer to power down your M2? Choose between double tap or the standard press and hold

### QUICK DRAW POWER UP

Under the right side of the UL sticky grip you will find a 2 button dip switch. Dip switch #1 controls the quick draw power up feature. With Dip switch #1 in the down position your gun is ready to fire the moment the LED lights up.



## RATE OF FIRE PEAK/AVERAGE

The peak rate of fire is the shortest amount of time between any two shots in a stream of shots.

The average rate of fire is the average ROF in a stream of shots.



## SCREEN BRIGHTNESS

Control the screen brightness for better visibility of the screen



## SCREEN SLEEP

Values 15 sec - 10 min (Factory Default 1 min)

The screen will go to sleep after a predetermined amount of time. This is to conserve battery life when playing. To activate the screen tap the Joystick in any direction.



## AUDIO

(Factory Default ON)

turn the sound off or on for navigation . The game timer alarm cannot be turned off.



## AUTO SHUT OFF

Values 10 – 60 min (Factory Default 10 min)

The board will automatically shut down if the marker is not used for a set period of time. You can adjust the shut off time.



## PRESSURE GAUGES

The M2 is equipped with internal pressure sensors that monitor the Low and High pressures in the marker. Once the Gauge screen is displayed press the center of the joystick to get a live reading.

The M2 operating pressures will vary depending on weather conditions, paint size, and desired velocity.

High Pressure should be set between 110psi and 170 psi.

For adjustment instructions see page 17.

Low Pressure should be set between 50psi and 75psi. For adjustment instructions see page 19.



The screen will read "Processing" and display HP and LP psi. When done, press the center of the joystick, and continue to scroll through the Data Settings menu.

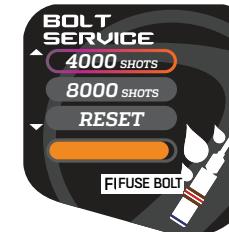
Use the color coded gauges to help keep your M2 within standard operating levels.

To exit the live reading screen press the center of the Joystick again.





## SERVICE SYSTEM



The Service system tracks shots fired and when the major components of your marker need to be serviced. You can adjust your service schedule based on weather and playing conditions. More severe conditions will require service more often.

To adjust service schedule, scroll to desired service screen. Press the joystick to unlock the screen for adjustment. Scroll up or down to desired service schedule. Press joystick to select and save.

When one or more systems are due for service a red "Service" icon will flash over your play mode screen.

Access the Service System to view what needs service. After service is performed reset the components system monitor.

To reset any of the service schedules, scroll to the desired service screen, and press the Joystick to unlock the screen for adjustment.

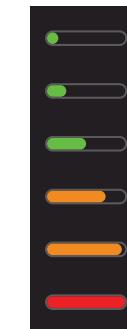
Scroll Down to "Reset" and Press the joystick. This will reset the service monitor for the displayed system. If you perform service prior to receiving a service alert you can re set the service monitors at that time as well.



## ⚠️WARNING

### BEFORE SERVICING YOUR MARKER:

- MAKE SURE TO REMOVE THE BARREL FROM THE M2.
- MAKE SURE YOUR HOPPER IS REMOVED FROM THE M2.
- MAKE SURE THERE ARE NO PAINTBALLS IN THE BREECH OF THE M2.
- ALWAYS RELIEVE ALL RESIDUAL GAS PRESSURE FROM THE M2 BEFORE COMMENCING ANY DISASSEMBLY.
- THE M2 CAN HOLD A SMALL RESIDUAL CHARGE OF GAS, AFTER THE AIR SUPPLY HAS BEEN REMOVED. ALWAYS DISCHARGE THE MARKER IN A SAFE DIRECTION TO RELIEVE THIS RESIDUAL GAS PRESSURE.



### ZERO-START COUNT

1/5

2/5

3/5

4/5

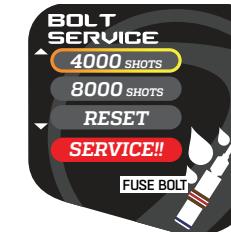
### OVER COUNT

BOLT 4,000 or 8,000 shots

H4 75,000 or 100,000 shots

LPR 75,000 or 100,000 shots

**NOTE:** You are given the option to deactivate the Service System. If the service system is deactivated you will not be alerted when service is due. We highly recommend you keep Service System activated in order to help ensure the M2 gets regular maintenance.



### RESET TO DEFAULT

At any time you can reset the profile you are in to Factory Default settings.

## ⚠️WARNING

- THE M2 IS NOT WATER RESISTANT. EXCESS MOISTURE WILL CAUSE DAMAGE TO ELECTRONIC PARTS.
- KEEP THE BOARD AND ALL ELECTRICAL COMPONENTS CLEAN OF DIRT, PAINT AND MOISTURE.
- TO CLEAN THE BOARD, USE CANNED AIR. IF A MORE AGGRESSIVE CLEANING METHOD IS NEEDED, LIGHTLY SCRUB THE COMPONENTS WITH A SOFT, DRY BRUSH. HEAVY SCRUBBING WILL DAMAGE THE BOARD.



## TRAINING MODES

The M2 has 3 training drills to help you hone your skills. Access the training mode in the settings adjustment menu. Scroll left or right to reach the Training Mode screen. Press the Center of the joystick to select. Scroll Left or Right to select the training mode of your choice. With the Desired Drill screen displayed press the center of the joystick to start the drill.

### BREAKOUT DRILL

Designed to help improve speed and accuracy when standing and shooting from the starting box.

- Line up at the starting box, with a designated target down field.
- Press the joystick and wait for the beep.
- On the beep turn, aim, and fire 10 shots (the M2 will only allow 10 shots to be fired). When you reach 10 shots the M2 will beep twice.
- On the double beep reset at the starting box and wait for the next single beep.
- Repeat 5 times to complete 1 set.
- At the end of the 5th rep the M2 will beep 3 times and display your fastest, slowest, and average response time it took you to turn and shoot 10 balls.

### SNAPSHOT DRILL

Designed to improve speed, accuracy, and muscle memory when snap shooting from behind cover.

- Set up behind any bunker with a designated target down field.
- From behind the bunker press the joystick and wait for the beep.
- On the beep lean out from behind cover, aim, shoot one ball (the M2 will only allow one ball to be fired), and return to cover.
- Wait for the next beep and repeat.
- You will repeat 10 times to complete one set.
- At the end of the 10th rep the M2 will beep 3 times, display your fastest, slowest, and average time it took you to shoot one ball.

### RATE OF FIRE DRILL

Designed to help with trigger speed. This drill is to be used without paint or air. Practice your finger speed without causing additional wear to your marker.

- Wait for beep.
- Pull trigger as fast as possible.
- The drill will track how fast you can pull the trigger, and report after each string of shots your fastest, slowest, and average BPS during the string.



## METHOD OS AIR (MOSair)

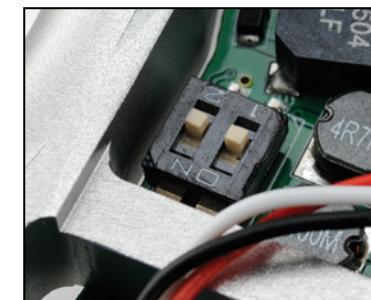
### TRAINING MODE STATISTICS

To see how you are progressing on your training you can review your last 10 sets for each drill under Training Mode Statistics.



### TOURNAMENT LOCK

Under the right side of the UL sticky grip you will find a 2 button dip switch. Dip switch #2 controls the tournament lock. On the play mode screen there is a pad lock icon located in the lower right corner. This pad lock icon indicates whether the tournament lock is engaged or not.



When the tournament lock is engaged settings that could affect the gun's performance will be labeled "locked" and will not be able to be adjusted until the tournament lock is turned off.

Note: the #1 dip switch has no function.



Periodically DYE will release new updated software for the M2. The new software will be available on [www.dyem2.com](http://www.dyem2.com), and [www.dyepaintball.com](http://www.dyepaintball.com)

#### **TO UPDATE YOUR M2's OPERATING SYSTEM FOLLOW THESE SIMPLE DIRECTIONS.**

- Save the new operating software to your Customer Support Passport, or any standard flash drive.
- Plug the flash drive into the upgrade cable (supplied with your M2).
- Plug the cable into your M2, use the same port you use to charge your battery.
- To access the M2's micro USB port open the dust cover labeled USB on the upper left side of the grip. Lift and rotate the cover out of the way.



- Power on your M2, the USB sync screen will be displayed.
- Press the Center of the joystick to initiate the upgrade process.



## SOFTWARE UPGRADE

- Scroll down and select upgrade software.
- Confirm you wish to upgrade the software.
- The system will begin to upgrade the software.
- This may take several minutes.
- Do not unplug the cable until you are prompted to do so.
- Once the cable has been unplugged the board will automatically power off. This signifies the upgrade is done, and the M2 is ready for use.



You can customize the boot screen on your M2 with any photo you like. The full color provides remarkable detail and image resolution. Before you can download a photo onto the board it will first need to be converted to a .bmp file sized 128 x 128 pixels. You can use any number of free online programs such as the one listed below to convert your photo. <http://image.online-convert.com/convert-to-bmp>

- Choose the file you wish to convert.
- Change size to 128 pixels x 128 pixels.
- Click convert file.

**• The .bmp files must be saved with specific file name so that the M2 can accurately identify and store them.**

**Custom boot screen #1 FILE NAME = m2cbs1**

**Custom boot screen #2 FILE NAME = m2cbs2**

**Custom boot screen #3 FILE NAME = m2cbs3**

- Each free boot screen space is labeled with the associated file name.
- Save new .bmp file to your Customer Support Passport or any standard flash drive.
- Plug the flash drive into the upgrade cable (supplied with your M2).
- Plug the cable into your M2, use the same port you use to charge your battery.
- To access the M2's micro USB port open the dust cover labeled USB on the upper left side of the grip. Lift and rotate the cover out of the way.
- Power on your M2, the USB sync screen will be displayed.
- Press the Center of the joystick to initiate the upgrade process.



## CUSTOM BOOT SCREEN INSTALL



- Select Upgrade Custom Boot Screen.



- Confirm you wish to Upgrade Custom Boot Screen.



- Select the custom boot screen file name you are loading onto your M2.



- The system will begin to download the file.



- Do not unplug the cable until you are prompted to do so.



- Once the cable has been unplugged the board will automatically power off. This signifies the upgrade is done, and the M2 is ready for use.
- Power up M2 access Select Boot Screen in the Data settings menu and select our new custom boot screen.

# RECHARGEABLE BATTERY

The M2 comes standard with a lithium ion rechargeable battery. The battery is housed in the grip frame, on the right side under the sticky grip. There is no need to access the battery at any time. Charging is done through the micro USB port located on the upper left side of the sticky grip.

**NOTE: Be sure to fully charge your M2 marker before first use.**

## BATTERY CHARGING INSTRUCTIONS

To access the M2's charging port open the dust cover labeled USB on the upper left side of the grip. Lift and rotate the cover out of the way.

In order to charge your M2 marker, simply use any standard micro USB cable and power supply. A micro USB cable is provided with the marker.

Plug the full size USB end of the cable into any standard power supply adapter (car charger, wall charger, computer, etc.).

## LED LIGHT COLOR INDEX-CHARGING

**Blinking Blue:** Charging up to 95%

**Blinking Green:** Charging up to 95% - 99%

**Solid Green:** 100% charged



## WIRELESS INDUCTIVE CHARGING

The M2 can now be charged by wireless inductive charging. Simply set the M2 logo on the right side of the grip on DYE wireless charging base or any standard charging base.



## LOW BATTERY

When the battery level drops below 30% the low battery alert icon will flash instead of the play screen. When this occurs the battery should be charged as soon as possible to prevent improper function.

## BATTERY LEVEL CHART



95% - 100%



30% - 69%



70% - 94%



0% - 30%



## ! WARNING

- A LOW BATTERY WILL NOT BE ABLE TO POWER BOTH THE ACE EYE AND THE TRIGGER SWITCH, CAUSING ACE EYE FAILURE.
- IF THE BATTERY IS LOW, IT MAY NOT BE ABLE TO POWER THE SOLENOID CORRECTLY. THIS WILL AFFECT THE M2'S VELOCITY, CAUSING IT TO BECOME INCONSISTENT AND/OR LOW.