



Illuminati Magic

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Introduction

Notifier is a state-of-the-art notification system, designed to bring mentalism into the twenty-first century.

Notifier enables you to visually see the results from Dice, Dominos, Poker Chips, Color Sense, Pen Sense, RFID Playing Cards, and Magneto on a miniature retina display.

This miniaturized receiver collates information from all of your Unifi Devices and then displays the status of each device on a high resolution, fullcolor LCD.

The display features a breath-taking 160 x 80-pixel retina display, measuring a mere 21 x 11mm.

Simply turn Notifier on at the beginning of your performance and your Unifi devices automatically connect. Once activated, the performer is alerted every time an Unifi device changes state, making it easier than ever to access the real-time information that takes your show to the next level.

Notifier has been designed to fit within a standard deck of playing cards. However, its design enables you to incorporate into a myriad of discreet concealed locations.

The modular technology allows you to purchase a single receiver to work with the entire Unifi range. This saves you money, pocket space, and set up time when performing more than one Illuminati Magic product.

Notifier is compatible with all Illuminati Magic products and provides backward compatibility with older, legacy systems.

Notifier is a well proven, reliable choice for the professional performer.

Notifier allows you to adjust the brightness levels of the display, to suit your environment to ensure that there is no "flashing" of props when in use. Fitting perfectly into a standard box, it is perfect for all types of performances, including close up, parlor, and stage.





User Manual

Important Note

Notifier utilizes a Lithium Polymer (LiPo) Battery. LiPo Batteries are the latest in battery technology, enabling much higher capacity in a significantly reduced footprint. LiPo technology is used extensively in cellphones, wearable devices, and smartwatches.

If LiPo batteries become fully discharged, then the battery becomes permanently damaged and will no longer charge.

As a precaution, once the battery level falls below 30% (the equivalent of six months battery life), then Notifier will turn off.

Therefore, it is essential that you fully charge Notifier <u>at least once, every six</u> <u>months</u>. If you leave your equipment on the shelf for greater than six months without charging, you run the risk of the unit needing to be returned to Illuminati Magic for repair/replacement.

When fully charged, batteries will last up to 18 months before becoming discharged.

Switching On and Off

To turn Notifier on, slide the power switch up. To turn Notifier off, slide the power switch down.

Notifier incorporates a lithium polymer battery that will last for up to eight hours from a single charge. If Notifier is running low on battery, it will provide a notification that it needs to be charged.

When Notifier powers up, it will display the firmware version and battery status.



Charging Your Notifier

Slide the Notifier module forward slightly to expose the USB Port and connect it to the supplied USB charging cable.

Insert the cable into any standard USB Port.

Please charge your Notifier before using it for the first time. Charging may take up to two hours.

Once fully charged, your Notifier unit will provide up to eight hours of continuous operation.



USB Charging Port

Brightness Control

You can adjust the brightness of the display by pressing and holding button 1 to lower the intensity and pressing and holding button 2 to increase the intensity.



Architecture

It is beneficial to understand how the Unifi platform works – once you have a solid understanding of the system architecture, you will be able to develop your own unprecedented, mindblowing routines.

The Dice, Dominoes, Poker Chips, Second Sight, Magneto, Color Sense, and, Pen Sense all transmit on the "Industrial, Scientific & Medical" (ISM) band.

Every Thumper and Notifier within range receives signals from the Unifi devices and responds accordingly.

You may have multiple Thumpers and Notifiers receiving the same message (for example, if you have a backstage assistant who needs to prepare a revelation for you).

Additionally, Unifi utilizes Bluetooth Low Energy (BLE) – a bidirectional communications protocol that is used extensively in the technology industry.

Many electronic mentalism vendors utilize BLE as it provides an extremely reliable and open standard, permitting high levels of interoperability.

BLE is a "peer-to-peer" communications protocol – one device connected to another device and was not intended to be a broadcast protocol (hence why Unifi utilizes the ISM Band to broadcast signals).

The Thumper and Second Sight support both ISM Band and BLE communications, allowing them to communicate with the Unifi App.

The Unifi App integrates with the Apple Watch, enabling you to utilize your Apple Watch as a peek device as well as a remote control to send predictions to third-party platforms.

Hiding Notifier

Notifier was designed to fit into a standard sized card box and is supplied in a Phoenix branded card box.

You can easily remove Notifier from the supplied card box, should you wish to insert Notifier into another card box.

My favorite performance style is to be very bold in the location of Notifier. The vast majority of the time, I place Notifier on the table, with the audience in front of me. This works great in a parlor or stage performance.

In close up performance, typically I have Notifier in my top pocket, with the flap of the card box facing outwards.

Notifier can be located in a whole host of positions, including:

- In your shirt pocket.
- In the top suit pocket (inside or outside pocket)
- On the performance table, assuming the audience is located in front of you.

Notifications

Notifier receives messages from Dice, Dominoes, Poker Chips, Pen Sense, Color Sense, Magneto, and Second Sight.

The most recent notification will be displayed on the screen. For example, if the spectator rolls a Red Dice with a result of three, then this be displayed on the screen. If you then use Second Sight to scan an RFID playing card, then this result will override the prior result.

Certain devices support a "grouping" mode, whereby the display will "split" into multiple segments.

This mode is particularly useful for Dice, Dominoes, and RFID.

The oldest notification is displayed on the left-hand side and the most recent notification on the right-hand side.

Dice

The Unifi Dice is a sophisticated electronic device that transmits its orientation every time it is moved or detects the presence of a magnetic field (such as a PK Ring).

The Dice are available in a range of formats including; Casino Pips, Classic Elements, Emoji, ESP Symbols, Rubiks Cube, Shapes, and Zodiac Symbols.

Notifier will display the outcome of the Dice roll, with the appropriate graphic, depending upon which style of Dice you are using. The background color indicates the color of the Dice.

If you roll multiple Dice, the screen will split into multiple different segments, so that it can display the result from up to three different dice simultaneously.



Domino

Dominoes are displayed on the Notifier display, with a white background indicating that the Domino is face up and a dark grey background indicating that the Domino is facing down.

The pip configuration reflects the pip configuration on the actual Domino.

If motion sensing is enabled and the Domino is moved, then the pips will change to purple. If magnetic field sensing is enabled and the Domino detects a magnetic field, then the pips will change to green.



Poker Chip

Poker Chips are displayed on the Notifier display, with the background indicating the color of the Poker Chip.

If the Poker Chip changes orientation, then the background color will darken or lighten to match the orientation.

If motion sensing is enabled and the Poker Chip is moved, then the white bars will change to purple.

If magnetic field sensing is enabled and the Poker Chip detects a magnetic field, then the white bars will change to green.



Color Sense

Color Sense consists of six crayons inside a traditional crayon box. The crayons themselves are standard, everyday crayons, however, the crayon box contains motion sensors so that when a crayon is removed, a notification is dispatched.

Notifier will display the result of a Crayon being removed from the Color Sense box.

The background color of the display will provide a visual indication of the color of the Crayon.



Pen Sense

Pen Sense consists of six Sharpie Chisel markers, with the first five Sharpies gaffed with an inbuilt transmitter (the black Sharpie is ungaffed).

Pen Sense can be programmed to generate notifications through either movement or the presence (or removal) of a magnetic field.

As the performer simply needs to know, which color the spectator has selected, Notifier displays the image of the corresponding marker, along with an English description of the color.



Magneto

Magneto is a miniature magnetic field detector, intended to be finger palmed.

A North magnetic pole is interpreted by Notifier as "Heads," whereas a South magnetic pole is interpreted as "Tails."





Second Sight

When Second Sight scans an RFID playing card, it will transmit the result to Notifier, which will display the card index as follows:



If multiple playing cards are scanned in succession, then Notifier splits the screen into multiple segments, allowing it to display up to six card indexes on the screen at one point in time.



The top left represents the oldest event, whereas the bottom right represents the most recent event.

This allows you to determine which spectator has chosen which playing card.

If a custom description has been programmed into the RFID Tag, then the full-text description is displayed on the display.

In the example below, the text description of "Harrison Ford" has been programmed into the RFID Tag.



Please refer to the Unifi App manual and the Second Sight manual for details on how to program RFID Tag descriptions.

Legacy Devices

Notifier has been designed to receive signals from third-party products.

Most third-party products only provide a numerical result. For example, the roll of a Dice may be represented by the digit four, but equally so, a Green Crayon may also be represented by the digit four.

As a result, Notifier will display the number that it receives, with a white font on a black background.



System Messages

Whenever an Unifi Device powers up or powers down, it sends a notification message to Notifier.

This includes the devices type, its serial number, and battery status enabling you to quickly test your devices in advance of your gig.

Low Battery

The Unifi devices broadcast their status every minute to Notifier.

Should the battery level fall below 20% for any Unifi device, then Notifier will display the device description, followed by the message "Low Battery".



System Status

The System Status mode allows you to view the status of all the Unifi devices connected to Notifier.

Notifier will display the firmware version, serial number, and battery level for each device

To enter the System Status mode, press both buttons simultaneously for two seconds.



Press both buttons simultaneously

Button 1 will scroll through a list of all your Unifi Devices that Notifier has detected since it powered up.

Button 2 will scroll through the details of each device.



To exit the system status menu, press both buttons simultaneously again.

Bar Code Screen

When Notifier is in idle mode (after a period of no activity), it will change the display to mimic the bar code found on the base of a Phoenix Card Case.

By default, Notifier is dispatched with the display facing the opening of the card case, as this enables the flap to be open and closed, concealing the unit.

You may rotate Notifier 180 degrees so that the display faces the opposite end of the card case and cut out holes for the buttons and the screen (remove Notifier prior to cutting holes).



Firmware Upgrade

To upgrade the firmware on Notifier, you will need to download and install the Texas Instruments MSP430 USB Programmer.

You should not attempt to upgrade the firmware in Notifier unless requested to do so by your Illuminati Magic dealer.

Connect the USB Cable to your PC and press and hold Button 1 and Button 2 for ten seconds.

The System Status screen will be displayed after two seconds. Wait a further eight seconds for Notifier to enter into the firmware upgrade mode.



Windows will automatically download the appropriate driver in the background.

WSP430 USB Firmware Upgrade Example v1.3.1	- 🗆 ×
Select which firmware to download Bink LED Example	2. Hold BSL Button (S3) and plug in the FET board into USB
O CDC Echo Firmware	3. Click Upgrade Firmware
O HID Echo Firmware	Upgrade Firmware
Select Firmware <u>B</u> rowse	opgraue rainware
	No device connected

Once you are in the firmware upgrade mode, select the firmware image and click on Upgrade firmware button.

After a few moments, Notifier will restart with the new firmware.

Help and Support

If you require any assistance, please contact our support hotline at support@illuminati-magic.com.

I would encourage you to register at our web site at www.illuminatimagic.com and our Facebook Group.

The full Unifi manual is available at www.illuminati-magic.com/unifi-onlinehelp.html

You may download the Unifi App by scanning this Quick Reference Code:





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