

The Monkeylectric m132s is a revolutionary bicycle lighting system that keeps you visible - and in style.

At speeds from 10 to 30 mph the m132s will produce spectacular full color patterns on your spinning bike wheel, and it provides outstanding visibility at any speed.

FEATURES

- **Unique and powerful graphics synthesizer system:**
 - generates thousands of constantly changing patterns and colors
 - instantly customizable colors, patterns and activity to fit any situation
- 32 Full color, wide angle, ultra-bright LEDs provide nearly 360-degree visibility
- 8 mounting options fit nearly any Road, Mountain or BMX bike wheel
- Ruggedized construction designed for daily use and frequent wet weather
- Vibration-proof 3-point mounting system
- High strength fiber composite construction withstands rough riding
- Hook & loop battery strap keeps batteries secure and easy to replace
- Lead-free, RoHS compliant environment-friendly construction
- Only 65 grams without batteries
- Clear hardcoat over all LEDs keep the lights fully waterproof for the deepest puddles
- Lasts up to 30 hours on 3 x AA batteries, rechargeables provide best performance

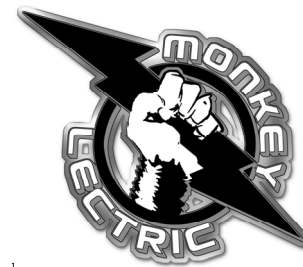
WHAT'S INCLUDED

- Monkeylectric m132s bike wheel light system
- 4 x Monkeylectric rubber shock mounts
- 6 x Generic black zip-ties for mounting
- Instructions sheet

Using the buttons you can instantly change the colors, patterns and activity of the lighting display anytime – anywhere.

From the factory, the m132s is pre-configured to use all colors and all patterns, and with speed settings all set to 4. You can use the buttons to select a reduced set of colors or patterns, or to change the speed/activity settings.

- **POWER Button:**
 - PRESS to change: Off, High efficiency mode, High brightness mode
 - § High efficiency: 15-30 hours runtime
 - § High brightness: 3-6 hours runtime
- **COLOR Button:**
 - Choose one to four colors, or all colors
 - PRESS button to see color picking menu
 - § Each light is a color you can select
 - § Selected colors are blinking, cursor blinks brightly
 - CHANGE color: PRESS button (cursor moves)
 - ADD another color: HOLD button
 - DELETE color: move cursor on top of it and HOLD button
 - ALL colors: move cursor past the end (all colors blink)
 - SAVE & EXIT: WAIT 5 seconds
- **PATTERN Button:**
 - Choose one to four patterns, or all patterns
 - PRESS button to see pattern picking menu
 - § Each white light is a pattern you can select:
 - (1) Zigzag
 - (2) Hypno
 - (3) Teleport
 - (4) Grind
 - (5) Brain Wave
 - (6) Quasar
 - (7) Spread Spectrum
 - § Selected patterns are blinking, cursor blinks brightly
 - CHANGE pattern: PRESS button (cursor moves)
 - ADD another pattern: HOLD button
 - DELETE pattern: move cursor on top of it and HOLD button
 - ALL patterns: move cursor past the end (all patterns blink)
 - SAVE & EXIT: WAIT 5 seconds
- **SPEED Button:**
 - Choose from 5 speed/activity/mood settings for each of 3 different options
 - PRESS button to see speed picking menu
 - PRESS to change between 5 speed settings – current setting blinks brightly
 - HOLD button to change which speed is being set:
 - § RED light: simple patterns or extreme/complex patterns
 - § GREEN light: slow color changes or fast color changes
 - § BLUE light: slow pattern changing or fast pattern changing
 - Slowest: 1 minute between pattern changes, fastest: 1 second.
 - SAVE & EXIT: WAIT 5 seconds



LOW BATTERY WARNING: A simple flashing double-arc (“XX”) will be displayed in yellow when the wheel is spinning, fading to red as the batteries completely die.

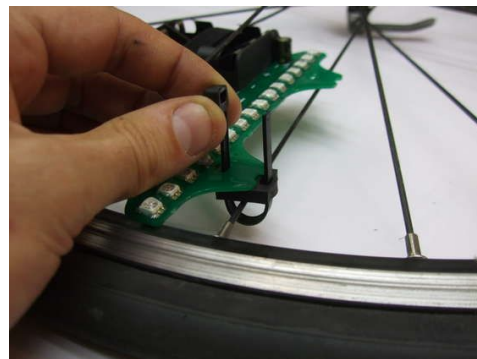
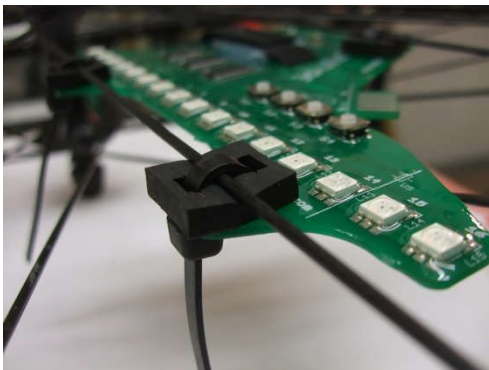
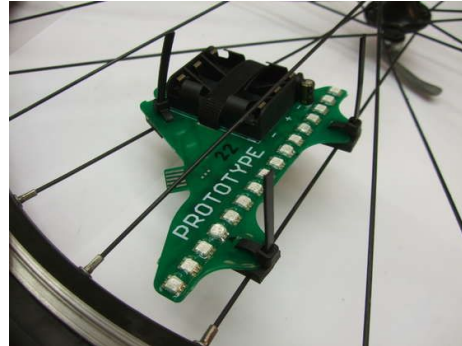
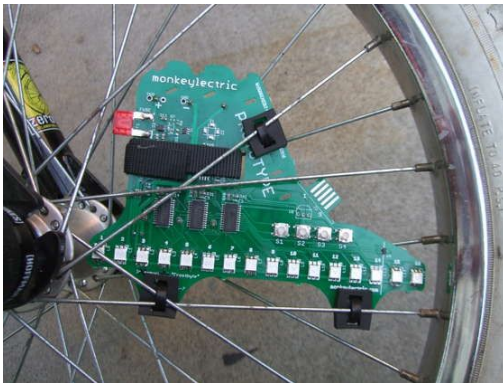
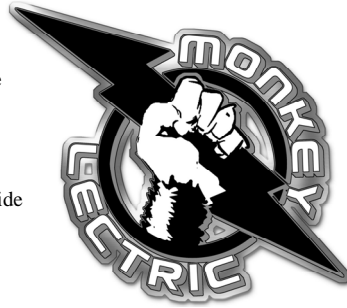
MONKEYELECTRIC M132S INSTALL INSTRUCTIONS

Support: www.monkeyelectric.com/support.htm

Detailed instructions with step-by-step photos are on our website

QUICK INSTALL

1. Install on either wheel, no need to remove wheel from bike
2. Slide m132s inside spokes if possible - can also be mounted outside
3. Line up lights with a spoke as shown
4. There are many mounting slots to fit any wheel
5. Put rubber spacer BETWEEN spoke and m132s
6. Feed zip-tie through slots and around spoke
7. Attach m132s in 3 places
8. Tighten zip-ties, then cut short with scissor
9. Make sure it is tight!
10. Insert 3 x AA batteries and press POWER button
11. Spin the wheel to see patterns!



SAFETY

Bike Safe! We want your biking experience to be as safe and fun as possible. Please note the following warnings:

- The m132s does not replace the need for standard front and rear bike lighting.
- As with any device attached to a bike wheel or bike, the m132s may affect the handling of your bicycle. Familiarize yourself with the handling of your bike after installing the m132s.
- The m132s is not designed for use above 30mph
- The m132s is not designed for use on a motorized vehicle
- The m132s may be distracting to you or others while in use. Every riding location and situation is different, only you can judge your own safety. The m132s includes control buttons that allow you to easily customize the level of lighting to the situation.

SPECIFICATIONS

- Size: 160mm x 110mm x 22mm (6.3" x 4.3" x 0.85")
- Lighted length: 150mm (6.0")
- Visibility: night, dusk, cloudy, indoors.
- Weight: 65g without batteries
- Power: 3 x AA batteries (any type), NiMH rechargeable provide best performance
- Battery life: 3-6 hours in high-brightness mode, 15-30 hours in high-efficiency mode
- Recommended riding speed: 10 to 30 mph (15 to 50 kph)
- Fit: any spoked bicycle wheel size 20" to 29" (BMX, Mountain & Road) with between 16 and 36 spokes. Many other wheels can be fit as well.
- Structure: 100% high strength fiber composite with clear hardcoat over LEDs
- Mounting: vibration-proof 3-point mount system with 4mm thick solid rubber dampers, mounts with standard 5mm nylon zip-ties.
- Environment:
 - Ruggedized construction designed for daily use and frequent wet-weather
 - Tip is fully submersible for deep puddles
 - Batteries and battery holder are not waterproof, outdoor wet-weather storage is not recommended
 - Lead-free RoHS compliant construction
- LEDs
 - 32 tri-color (full color) ultra-bright LEDs - 16 on each side
 - Super-wide-angle 150-degree half-brightness, near 360-degree overall visibility
- Graphics synthesizer system
 - 8mhz microcontroller with 16Kb flash memory, 1Kb SRAM
 - 7 parameterized display functions, each with thousands of unique output patterns
 - 16 user-selectable colors, 64 total colors
 - EEPROM for permanent storage of user settings

WARRANTY

- 3 Months against manufacturing defects. Variation in the clear protective coating is normal.

NOTES

- **All weather use:** the device is designed for all-weather use, the only portion which is not waterproof is the battery holder and batteries themselves. These will operate in heavy rain, however they will corrode if left wet for long periods. Like the rest of your bike, storing in the rain will cause premature corrosion.
- **Cleaning:** use soap and/or spray water as needed, then dry.
- **Vibration:** If you hear vibration when riding, check if any spokes are touching the m132s and adjust as needed. The 4th rubber spacer can be used to double the mount height at one of the 3 locations by stacking it.
- **Hardware Hacking & DIY:** it will void your warranty, but we'll help. We're putting the m132s electrical schematic on our website so you know where to get started.