

The logo for Hoyt St, featuring the brand name in a stylized, modern font. A horizontal line extends from the top of the 'H' across the top of the page.

# Hoyt St

ELECTRIC LONGBOARD  
EL1

HP1 and HR1 Controller

OWNER'S MANUAL



# READ BEFORE YOU RIDE!



**ALWAYS WEAR A HELMET** when riding the board. Other protective gear like wrist guards, gloves, elbow and knee pads are also strongly recommended.



**THE BOARD MAY LOSE POWER OR BRAKES** due to low batteries or regenerative braking overcharge. Ride at speeds manageable without power or brakes.

**DO NOT** ride downhill on a full charge.



It is strongly recommended all riders take their first rides in **LEARNING MODE** (Mode 1) and slowly elevate modes to learn the feel and power of the board.



**HILLS AND HIGH SPEED** can be very dangerous. Always assume you may need to foot brake your way out of a sticky situation and never ride faster than you can stop. Ride within your capabilities.



**NEVER** ride the board while under the influence of drugs and/or alcohol.



**PROLONGED EXPOSURE TO HIGH HEAT** may damage the electronics. Avoid leaving your board in a hot car or trunk.



**LEARN AND OBEY** local traffic laws.

**SHARE** the road. Be courteous of cyclists, pedestrians and other modes of transport.



# WARNING!



**RISK OF DEATH OR SERIOUS INJURY.** Skateboarding, electric or otherwise, is a dangerous activity. You put yourself at risk of death or serious injury every time you ride a skateboard. Appropriate precautions naturally mitigate these risks.



**AVOID WATER!** Your Hoyt St board is water resistant, not waterproof. The electronics and other components are susceptible to water damage.



**ELECTRIC SHOCK RISK** when opening the deck to remove batteries, avoid touching the encased electronics and blade connectors, particularly with metal, as it can damage the electronics and deliver an electric shock.



**PINCH POINTS** at the motor end of your board can grab fingers, hair and loose clothing. Keep clear of the motors, belts, pulleys and other moving parts.



**MAINTENANCE** is important to keep your board in safe and optimal condition. Familiarize yourself with the maintenance section of this manual and establish a regular schedule of care.

If your board is behaving irregularly, please contact [hoytskate@hoytskate.com](mailto:hoytskate@hoytskate.com) so we can troubleshoot the problem together.

# PERFORMANCE SPECS

Depending on many variables including rider weight, speed, incline, temperature and tempo, your Hoyt St electric skateboard will travel up to 24 miles.

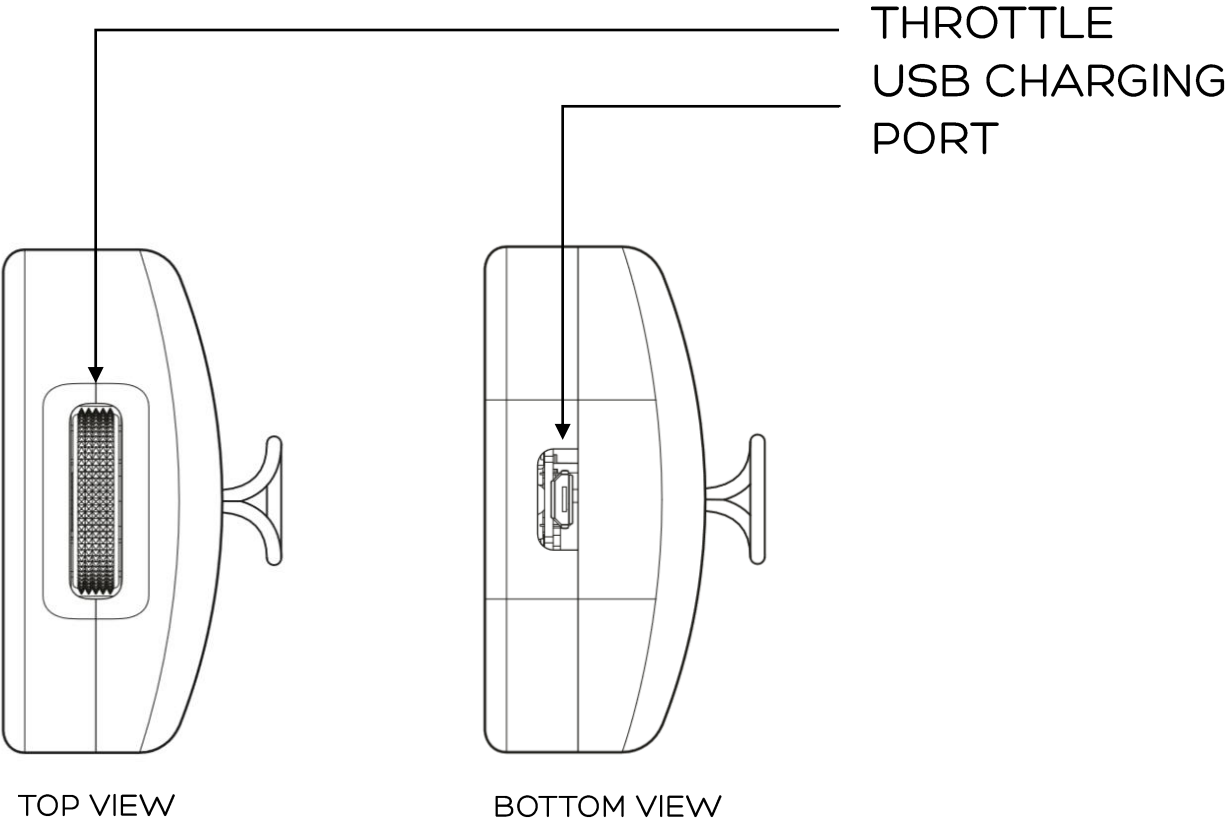
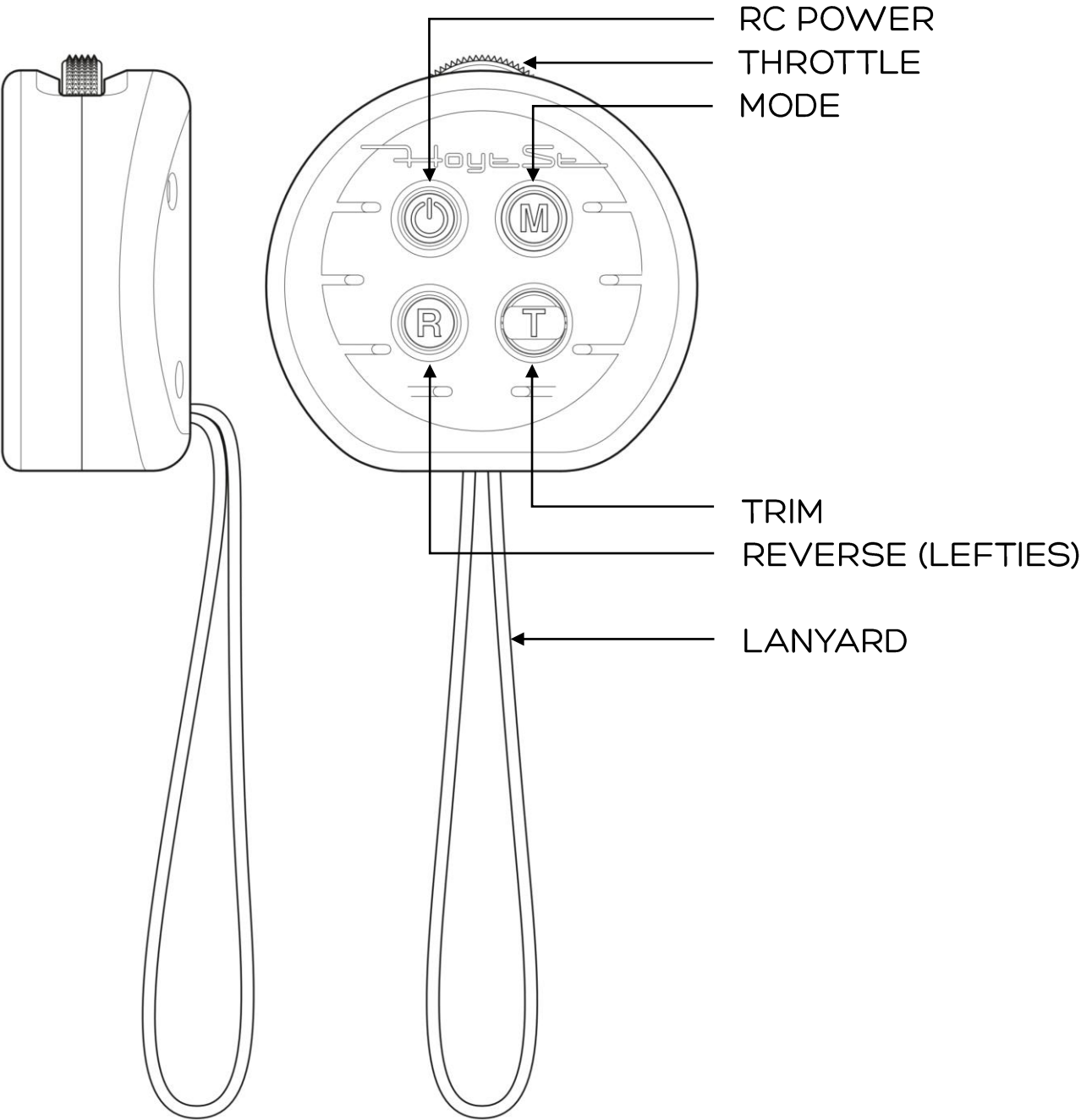
Top speed varies depending on operating mode. Mode 1 top speed is 15 mph, mode 2 is 25 mph and, in optimal conditions, mode 3 will reach 28 mph.

Maximum grade in mode 3 on a full charge is 30% while mode 2 is 25% and mode 1 is 15%. A running start and momentum is required to achieve maximum grade.

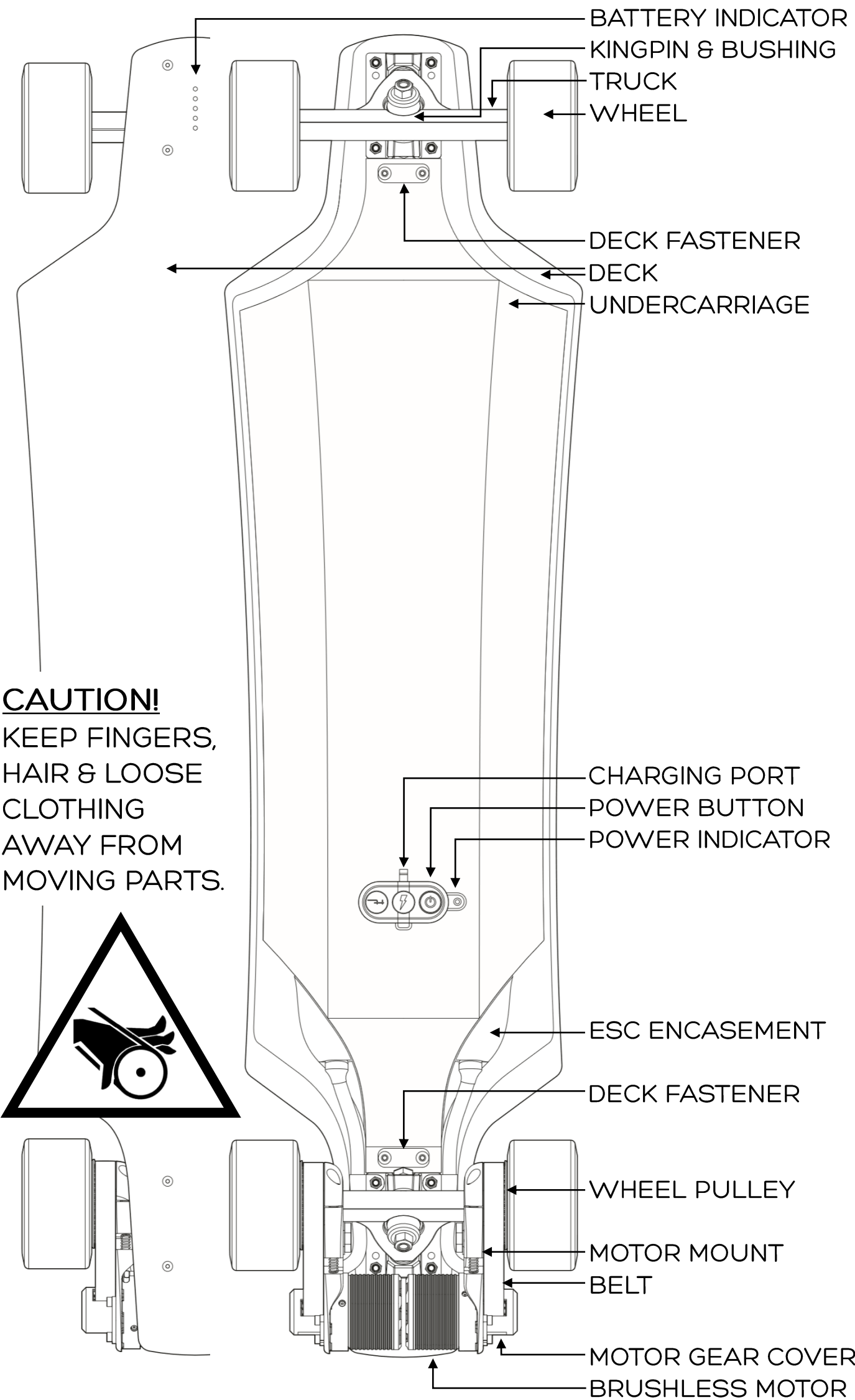
Your Hoyt St skateboard weighs in at 19.5 pounds. The ranges, speeds and grades noted above are assuming a 160 pound rider.

# GLOSSARY

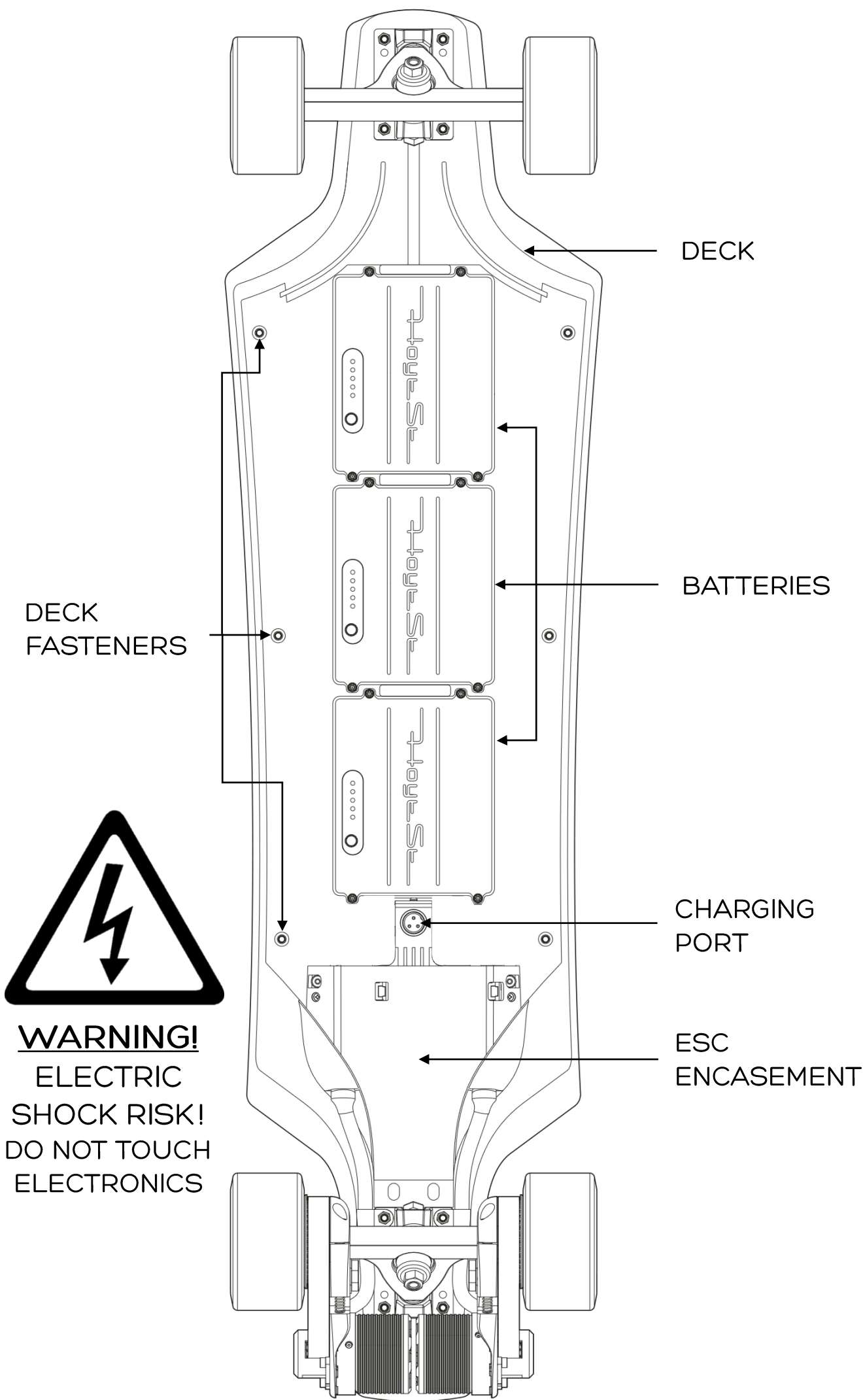
## REMOTE CONTROL



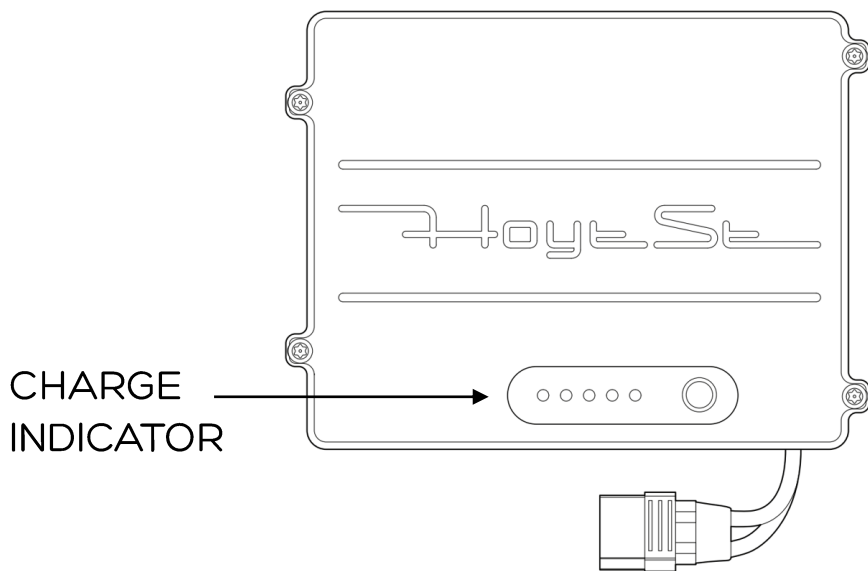
# EXTERNAL COMPONENTS



# INTERNAL COMPONENTS



# BATTERIES



## BATTERY REMOVAL AND INSTALLATION

Hoyt St battery packs are connected to the electrical system with blades that slide onto connectors located within the battery pack. **IMPORTANT:** Do not force the blades or this may damage the connectors. Align the blades with the openings in the battery pack and gently push the pack until the blades are fully embedded. If excessive force is required or if the blades can only be partially inserted, the operation was performed incorrectly. Remove, align and reinsert.



**CAUTION:** Do not touch any exposed electrical components, especially with metallic objects, while the batteries are inserted into the blades connectors. This could short circuit and severely damage the electronics.

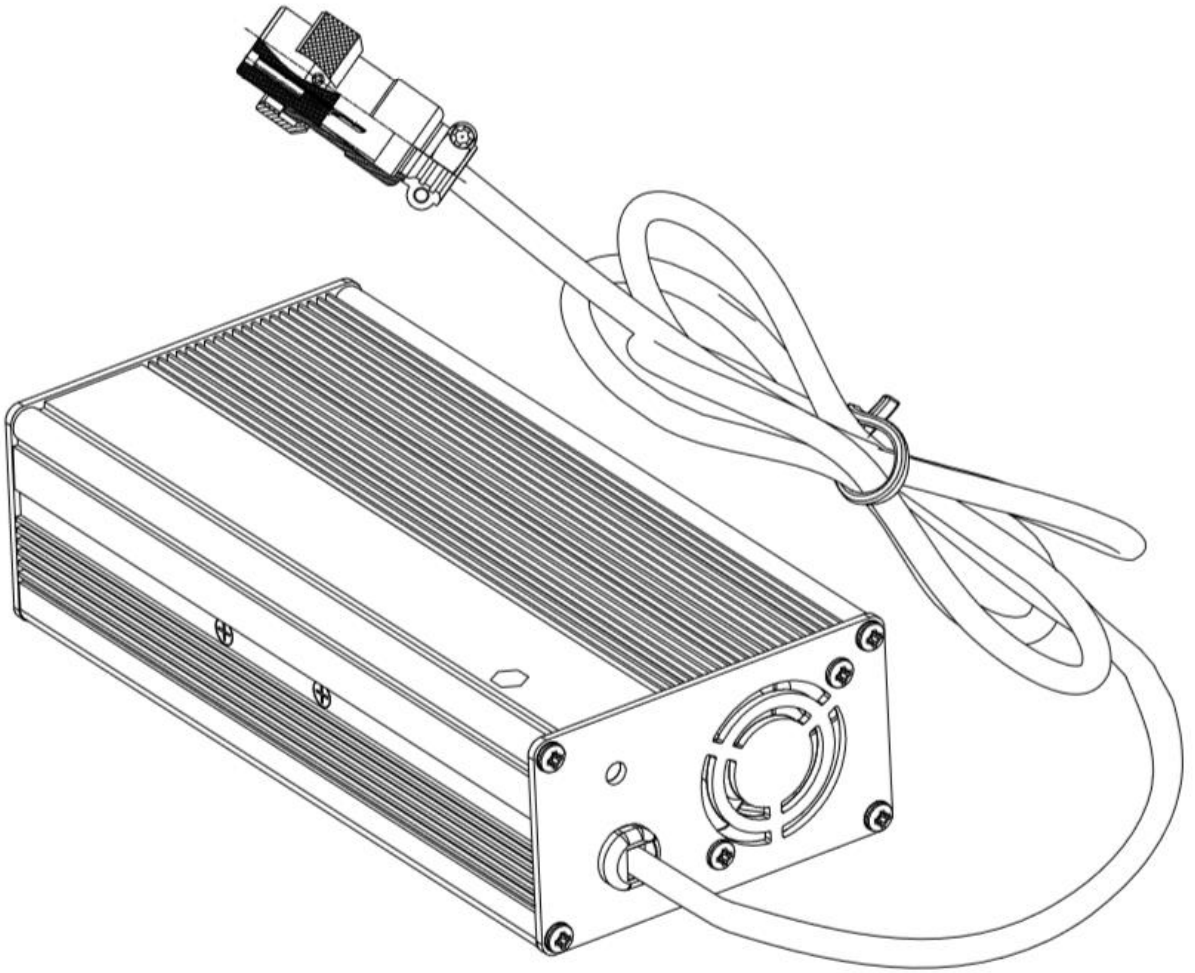
## CHECKING INDIVIDUAL PACK CHARGE AND BALANCING

The three battery packs discharge electricity evenly and simultaneously. After several hundred miles of use, check to ensure the packs remain equally charged.

Press the LED meter located directly on the pack. Alternatively, use a multi-meter to check the voltage by placing the two leads on a set of blades while a battery pack is installed.

The three batteries should have equal charge for efficient board performance and range. If they are not equal, fully charge each battery individually (by removing the other two batteries).

# CHARGER



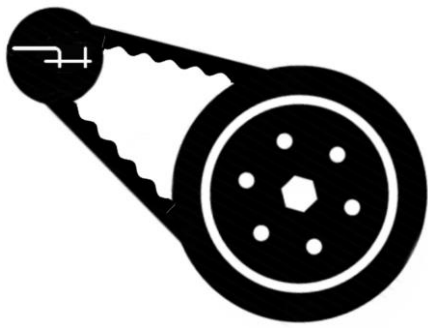
Hoyt St chargers are UL certified and built with the highest level of quality and safety. To charge your Hoyt board, plug in the charger to the port located on the underside of the skateboard's control panel. Lift open the charging hatch and insert the charger. Do not force fit. A red LED will light up while charging and turn green when fully charged. The process requires ~2½ hrs.

**TIP 1:** The batteries will not be damaged in any way by operating the board after a partial charging session.

**TIP 2:** The charger is designed to safely charge individual packs as well as two or three packs at a time.

**TIP 3:** Be wary of quick charge claims by resellers. A charge time of 2½-3hrs for a 270WH lithium ion battery is recommended by industry experts. An accelerated charging session requires a higher current flow to the cells and may shorten battery life.

**CAUTION:** The majority of lithium ion battery accidents occur during the charging process. Only use Hoyt St's supplied charger. Using a different charger may damage the batteries, shorten their life cycles, or even cause fires.

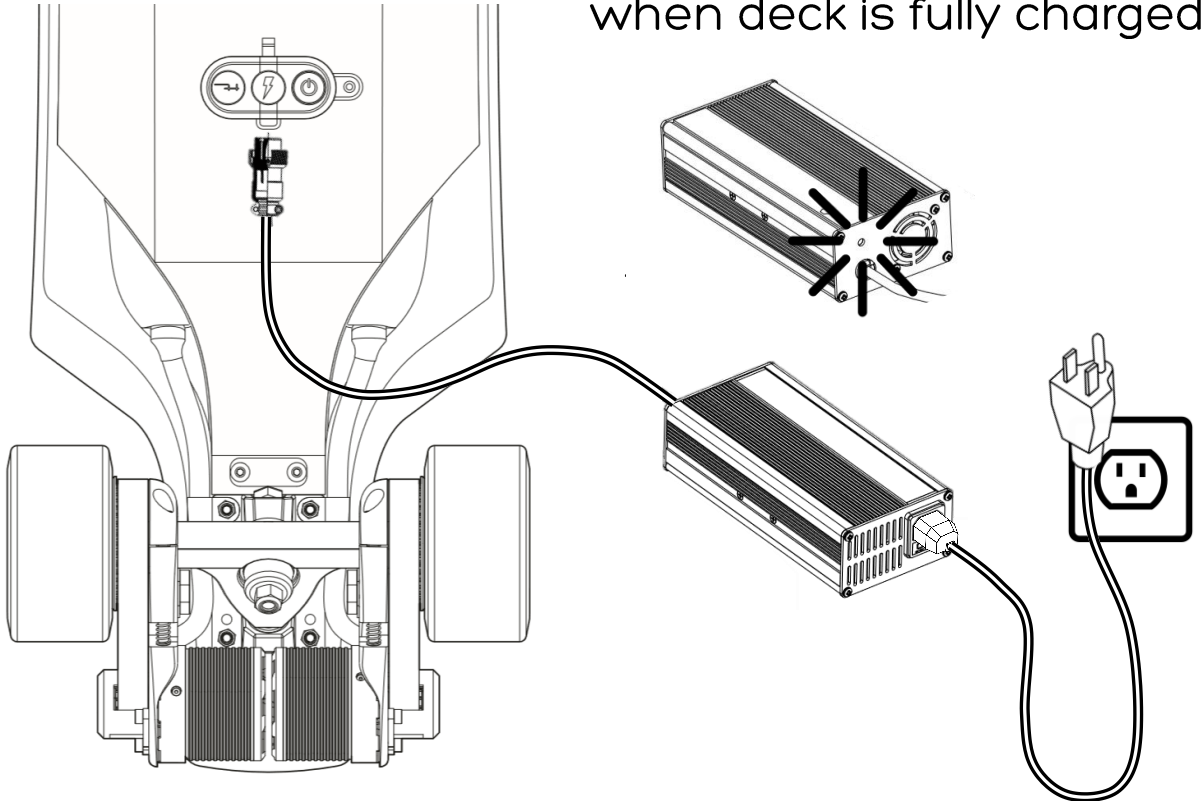


# OPERATION GETTING STARTED

## CHARGE THE DECK

Full charge = 2½ hours

Charger light turns green when deck is fully charged.



## CHARGE THE REMOTE

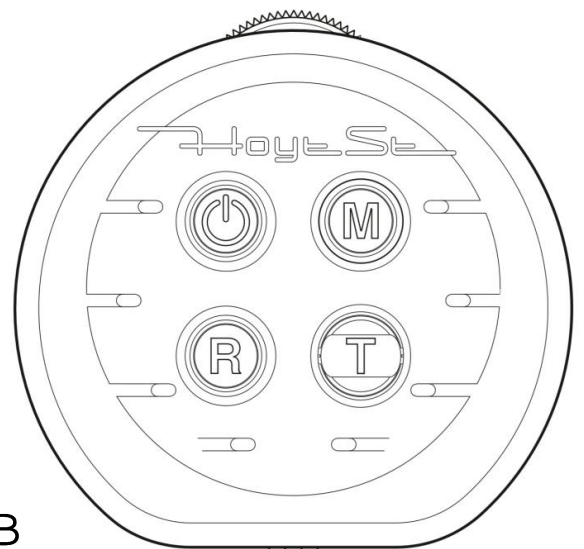
Full charge = 6-8 hours of use with a 30-60 minute charge. LEDs glow green when full charge reached. While riding, click the power button once to check SOC.

Blue = 8 to 4 ½ hours

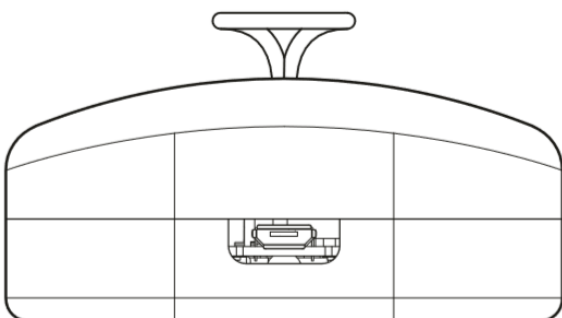
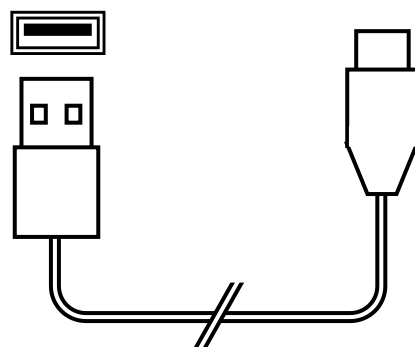
Green = 4 ½ to 1 hour

Yellow = 1 hour to 20 min

Red = <20 min



USB



BOTTOM VIEW