

# RAM® Tough-Charge™ with X-Grip® Technology

The RAM® Tough-Charge™ with X-Grip® Technology is the world's first patented, universal waterproof wireless charging cradle for phones. Designed with spring-loaded RAM® X-Grip® Technology, this cradle features an 'X' design that expands and contracts to secure nearly any phone while taking advantage of wireless charging via the Qi standard. For added security and peace of mind, a safety tether is included that's recommended for outdoor applications. In addition, a support leg can be adjusted to the ideal position or removed altogether. An included Type-A male pigtail connector features an in-line switch that allows users to turn off the wireless charging module when not in use. Available in a variety of mounting kits, users can ensure wireless charging capabilities across a wide range of vehicles.

## Compatible Devices:

Minimum Width = 2.375" (Minimum Height = 3.375"), Maximum Width = 3.25" (Minimum Height = 2.25"), Depth = 0.875"

## Features:

- Fully waterproof Qi wireless charging on the go
- RAM® X-Grip® Technology secures a variety of phone sizes
- Safety tether included for open cockpit applications
- RAM® diamond ball base compatible with 2-hole AMPS pattern
- RAM® Mounts backed by lifetime warranty, RAM® electronics backed by 1-year warranty

## Available SKUs:

- **RAM-HOL-UN12WB**  
RAM® Tough-Charge™ Wireless Charger with X-Grip® Technology
- **RAM-HOL-UN12WB-V7M**  
RAM® Tough-Charge™ Wireless Charger with X-Grip® Technology with Hardwire Charger
- **RAM-B-149Z-A-UN12W-V7M**  
RAM® Tough-Charge™ Wireless Charger with X-Grip® Technology with Hardwire Charger & U-bolt Mount
- **RAM-B-166-UN12W**  
RAM® Tough-Charge™ Wireless Charger with X-Grip® Technology with Twist-Lock™ Suction Cup

## Hardwire Charger Specifications:

- Has two mounting holes for fix mounting
- Has zip tie attachment points on part
- Input Range: 8V - 18V DC
- Output Voltage: 5-9VDC
- Output Current: 2.5A max
- Output Connector Type: Female USB Type A
- Input Cable Length: 1.2 Meters overall length including 2 Pole Flat Marine Connector
- Output Cable Length: 1.25 Meters
- Operating Temperature Range: -10°C to +70°C
- Storage Temperature Range: -40°C to +70°C
- Integrated Short Circuit Protection (SCP)
- FCC, Industry Canada, CE, WEEE, RCM, e-Mark and RoHS Compliant

SAE two-pin connector ensures polarity alignment and allows for easy disconnect. Power cord on the other end for easy connection to battery terminals or crimp style connectors.



\*Safety tether included for rugged and outdoor applications

