



MRK™

Mobile Repeater Kit

The **Mobile Repeater Kit - MRK™** by 4K Solutions are smartly integrated battery powered portable cellular booster solutions designed for rapid deployment into emergency situations where improved cellular reception is required.

We custom integrate the MRK™ with the Cel-Fi, by Nextivity's cellular booster product line to support one to three cellular carriers



Problem: The challenges of poor cellular coverage; such as remote areas, during manhunts, search and rescue operations, hurricane impact areas, conference centers, medical pop-up locations, wildfire base camps and forward areas as well as parking garages, concrete and metal structures. The MRK's can support commercial and the First Network Authority's (**FirstNet**) Band 14 cellular networks. With the Cel-Fi **GO RED** boosters.

4K's Mobile Repeater Kits—MRK™ can be a standard tool for Public Safety Equipment, as not all areas have good cellular. Cel-Fi **GO RED** can be delivered as the core of a FirstNet portable communication solution.

- US and Global Carriers supported to include AT&T, T-Mobile, Verizon and **FirstNet™**
- 4G / LTE Voice and Data
- Up to 15,000 ft² (1,500 m²) of Coverage
- 70 to 100 dB systems gain
- Perfect for remote and rugged environments
- Indoor Outdoor NEMA 4 Rated





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The **Mobile Repeater Kit - MRK™** are available in two variations:

- Single Cel-Fi Booster
- 1-3 Cel-Fi boosters configuration



Battery Technology: The battery is a 12.8 volt 8 AH (100 Watt hour) LiFePO4 bank.

Run Time (estimated): 4-8 hours (estimated)

Charging: The internal three stage charge controller will accept 14-18 vdc and up to a 60 watt solar panel. The included wall charger will charge the system in approximately 90 minutes. The internal Battery Protection Circuit prevents over-charge, over-discharge, and short circuits. The volt meter continuously displays the system voltage, and reacts to confirm solar or AC charging. The USB driver is independent, switched, and is 3 amps.

Antenna Accessory Kit Includes:

Indoor/Outdoor Wideband Directional Yagi, Outdoor Donor Antenna, Antenna Ceiling/Wall Mount, Antenna Pole Mount

