# Maestro™ Powered by Accel

Introducing Maestro™ from Accel Technologies

*High Performance RF Link Optimization For Fixed Cellular Broadband*

accel networks

# Maestro™ Defined

Maestro™ is a smart antenna system that enables the highest availability, fastest data rates and lowest latency that enterprise organizations demand of fixed 3G and 4G cellular broadband networks.  Adapting to the RF environment, and the unique features of each remote site, Maestro™ employs its dual array antennas, addressable filters and addressable LNA to produce the optimal signal to noise ratio, transforming each RF link into an enterprise class last mile.

# The Maestro™ Cloud Portal

Maestro™ is designed to operate in the most challenging indoor environments like windowless equipment rooms and malls while delivering robust RF links typically associated with expensive and logistically difficult outdoor antennas.   The Maestro™ custom wall bracket installs in minutes to any type interior wall including wallboard, concrete or wood.

Once installed the patent pending Maestro™ antenna connects to the Maestro™ server initiating the optimization process.  Managing to a powerful algorithm the server and antenna negotiate among 500 discreet settings to agree upon the optimal carrier to noise ratio----the key to high availability high performance RF links.

### RF Link Monitoring and Evaluation
Once fully optimized and operational the Maestro™ system monitors the performance of each RF link.  The same algorithm

used to optimize Maestro™ continuously scores each link on a scale of 0 to 900 and rates each RF link as Optimal, Good, Fair and Access Failure.  Alerts are generated whenever an RF link scores below "Good."  Detailed RF charts can be generated to quickly identify and resolve issues.  If required, a Maestro™ antenna can be re-optimized in real time or re-optimization can be scheduled for a future time.

### Traffic Analytics
The Maestro™ cloud measures data sent/received in real time, produces a daily report and projects future data utilization.  Alerts can be generated advising of future data usage based upon defined utilization thresholds.

Maestro™ can easily be integrated with leading CRMs like SalesForce.  Equipment and data plan inventories, shipping and tracking information and carrier and activation are available for all Maestro™ served endpoints through the Maestro™ Portal.

# Maestro™ at a Glance

## *Features*

- Remote server – based self or manual optimization
- Remote firmware upgrades
- Dual antenna arrays (Each array contains 4 – 90 degree antennas)
- Minimum (passive) gain 6dbi
- Addressable LNA (receive channel only) from 1db to 32db
- Addressable multiple adaptive filters
- Supported bands range from 700MHZ to 2.4GHZ
- Supports AT&T, Sprint and Verizon Wireless
- Supports HSPA+, HSPA, Edge, LTE, RevA, Rev0, 1xRTT

## *Physical Dimensions*

- Width:    18"
- Height:  8.25"
- Depth:    6.5"
- Weight:  3 pounds