



## Solving Cellular Challenges

In today's hyper-connected world, cellular access is no longer a luxury, it's a necessity and can be critical to an organisation's success. We expect our mobile devices to work everywhere and anywhere, whether we are at home, the office, or out in shops and other public places.

But cellular connectivity can be challenging. Signals can be inhibited or blocked by trees, hills, bad weather, and the shape, size, location, and construction of your building. The result can be frustrating for both users trying to connect and for IT professionals trying to provide reliable, seamless connectivity.

There is an intelligent way to optimise cellular coverage while improving voice quality and data speeds. Black Box's best-in-class in-building and mobile connectivity solutions address problems organisations, large and small, face in overcoming cellular coverage and densification challenges.



An intelligent Cellular Coverage solution from Black Box will overcome all signal challenges to ensure seamless connectivity.

### Business Challenges

- Cellular dead zones
- Dropped calls/poor quality
- Terminated/slow data sessions
- User frustration/complaints
- Decreased productivity
- Network compatibility
- Mobile app incompatibility
- Untrusted system
- Cost and difficulty of installation

### Black Box Cellular Solutions

- Strategically eliminate dead zones
- Improve voice quality
- Dramatically increase data rates (best gain performance)
- Enable BYOD and emergency services coverage
- Boost access, productivity, and business communications
- Only licence-exempt repeater range in the UK; carrier endorsed
- Guaranteed mobile app functionality
- Approved by 200 MNOs
- Lowest TCO with easy and fast deployment

## Customer Solutions

See how Black Box Cellular Coverage solutions are helping customers of every size and in every industry solve their cellular connectivity problems. To learn more about how we can help you, please reach out to us at [UKSales@Blackbox.com](mailto:UKSales@Blackbox.com) or call us at **01189 656088**.



### Law Enforcement/Public Safety (Middleprise Buildings)

#### Challenge

- Poor cellular coverage, dropped calls, and dead zones in middleprise buildings
- Thick structural walls block signals

#### Solution

- Cellular Coverage solution in middleprise buildings from 3000 to 24,000 m2

#### Results

- Uniform, scalable cellular coverage inside the building
- Signal coverage brought to out-of-the-way labs and basements
- Multiple, large facilities installed quickly



### Large Retail Chains/Small Businesses (Multiple Locations)

#### Challenge

- Reliable 3G/4G LTE services
- Need uniformity and scalability
- Backup for data network needed

#### Solution

- Cellular Coverage solution for spaces up to 1500 m2

#### Results

- Uniform coverage across multiple sites
- Reliable backup for mission-critical data
- System-wide visibility from the cloud
- Greater operational efficiency
- Self-configuring



### Remote/Industrial Buildings (Multiple Structural Barriers)

#### Challenge

- Spotty cellular coverage
- Buildings fortified with concrete and steel
- Industrial sites, car parks, remote monitoring sites, distribution centres

#### Solution

- Cellular Coverage solution for spaces up to 1500 m2

#### Results

- Uniform, site-wide cellular coverage
- Accelerated installation process
- Improved device battery life
- Carrier approved

### Home Office/Home School (Residential Buildings)

#### Challenge

- None or poor cellular coverage
- No coverage in a basement home office
- Have to go upstairs to make calls
- No internet connection
- Inadequate bandwidth

#### Solution

- Residential Cellular Coverage solution

#### Results

- Provide cellular coverage throughout the home
- Get internet, via cellular, even in rural areas
- Plug-and-play installation
- Automatically detects 3G/4G LTE networks

