



Multi-band  
On-Window Mount

The OWM Series multiband is the latest generation of our On-Window antennas. This unique and patented design outperforms other antennas of similar size and rivals larger "pigtail" antennas.

The wide bandwidth coverage provided by the OWM Antennas allows them to operate on traditional GSM/CDMA voice and data bands throughout the world. Multiband operation allows one model to cover all applications, reducing inventory.

The current-fed design results in stable performance. The antennas provide excellent impedance matching and minimal coupling loss. The in-car counterpoise improves the ground plane and adds to the overall performance.

The standard OWM3 is the most logical choice for the majority of cellular and data applications. For very remote or weak signal applications a special low loss cable version is provided in model OWM4. The low loss cable results in a relative gain of 4 dBi.

The OWM Series glass mounts are designed for easy installation. The durable ABS mounting plates are lightly flexible, accommodating the curvature of any vehicle window.

The antennas attach to glass with reliable 3M double sided tape. A

## On-Window Antennas 800-1990 MHz

- High performance 3 dBi peak gain, optional low loss cable extends relative performance up to 4 dBi peak
- Flexible fixed whip never needs to be removed and no adjustments
- Low profile, mounts on front or rear glass
- Operates on trunking, Cellular, all GSM/CDMA & all protocols GPRS, 1xRTT, EDGE, EV-DO

side cable exit port on the inner coupler allows easy cable routing up to the headliner.

With a low-profile whip, the antenna can be mounted on the front windshield, closer to the car-kit installation. This will allow less cable to be used with increased performance and easier installation.

The whip is locked into an optimal position and never needs to be removed or adjusted. With a broad Azimuth energy pattern, perfect vertical position is not required for good performance.

The OWM Series are ideal for all car-kits, and can even be used for in building improvement by mounting the antenna on single pane windows.

| Model                                                                                     | Cable                | Connector |
|-------------------------------------------------------------------------------------------|----------------------|-----------|
| OWM3-MB-1C-180                                                                            | 15 ft (4.5 m) RG-58  | SMA Male  |
| OWM4-MB-3C-180                                                                            | 15 ft (4.5 m) RF-195 | SMA Male  |
| Other connectors available, consult your sales representative for appropriate models etc. |                      |           |

### Specifications

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Frequency:         | 800 - 1000 MHz and 1710 - 1990 MHz               |
| Gain:              |                                                  |
| OWM3 Series        | 3 dBi peak                                       |
| OWM4 Series        | 4 dBi peak                                       |
| Nominal Impedance: | 50 ohms                                          |
| Maximum Power:     | 10 watts                                         |
| Cable:             |                                                  |
| OWM3               | RG-58, 15 feet (4.5 m)                           |
| OWM4               | RF-195 (low loss), 15ft (4.5 m)                  |
| Mount:             | ABS plastic, 2" diameter (51 mm)                 |
| Whip Material:     | Flexible fixed position, rubber covered radiator |

|                   |                                            |
|-------------------|--------------------------------------------|
| Whip Length:      | 3 inches (76 mm) approximately             |
| Glass Attachment: | Double sided tape                          |
| Whip Connection:  | Fixed position, car wash proof             |
| Cable Attachment: | Integral to inside coupling box, side exit |
| Connector:        | SMA Plug Standard                          |
| Operating Temp:   | -40° to +85° C                             |