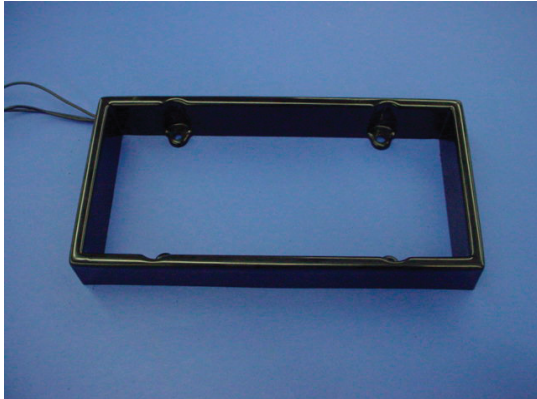


Covert License Plate Frame Antenna

GPS & Cellular/GSM/Data



License Plate Frame Antenna (patented)

- Antenna elements hidden inside the frame of the license plate
- 2 cables; each band has a separate cable
- Ideal for undercover applications
- Patented antenna design

The new CLP Series License Plate Frame Antenna from Mobile Mark accommodates multiple antennas in one package. This patented design featured antenna elements that are actually hidden away inside the license plate frame.

Anyone looking at the vehicle will see the license plate and frame but will see no evidence of an antenna. This antenna is particularly beneficial for undercover and discreet security applications.

There are four different CLP Series antenna models to accommodate the various Cellular/GSM & Data combination available worldwide. These models and the frequencies covered are detailed in the tables below.

Gain figures for this antenna series are Cellular: 2.5 dBi gain and GPS: 5 dBi gain (26 dB Amplifier).

The CLP Covert License Plate Frame Antenna can be mounted on either the front or rear of a vehicle. For states where license plate lighting is required, an LED lighting module can be added to the frame. This lighting option is available for any of the GPS, Cellular & WiFi antenna combinations. Add "-L" to the end of the model number to indicate LED lighting.

The antenna is designed for easy installation; each band has a separate cable feed and RF connector. Cable length is typically 2 feet (61 cm). Jumper cables can accommodate either car or truck or trailer installations.

Antenna Model Configurator

CLP----- example - CLP-U15-2A2C-L

Combo Configuration

Code	Description
U15	850/1900 MHz
C15	925/1900 MHz
E15	925/1800 MHz
N15	835/1900 MHz

Cable 1 Cellular

Code	Description
2A	RG-174 & TNC
2B	RG-174 & MiniUHF
2C	RG-174 & SMA
2H	RG-174 & Fakra
2K	RG-174/RevPol TNC

Cable 2 GPS

Code	Description
00	No GPS
2C	RG-174/SMA
2C	RG-174/SMA
2J	RG-174/RevPol SMA
2K	RG-174/RevPol TNC

Optional LED

Code	Description
Blank	No LED
L	LED

Note: Contact factory for additional connector options

Specifications

Frequency:

U15	824-925 & 1850-1990 MHz
C15	870-960 & 1850-1990 MHz
E15	870-960 & 1710-1880 MHz
N15	806-870 & 1850-1990 MHz

Cellular Radio/Modem:

Gain	2.5 dBi (peak)
VSWR	2:1 max over range

GPS:

Gain	LNA = 26 dB, Element = 5 dBi
Noise Figure	2.0 dB max, 1.7 dB typical
Amplifier Bias	3.3 to 5 VDC +/- 10%
Amplifier Current	20 mA, 10 mA typical

Impedance

50 Ohms Nominal

Power

10 Watts Max

Cables:

All cables RG-174, 2 ft (610 mm)

Case:

12.4"D x 6.4"H
(315 mm x 162 mm)

Case Material:

UV resistant ASA, Color: Black

Mounting:

Standard license plate frame mounting (4 grommet openings)

Connectors:

Variety available

Operating Temp:

-40 to +80 ° C

Water Ingress:

IPx5 (When properly mounted)

Shock/Vibration:

IEEE 1478, EN 61373, MIL-810G