



License Plate Frame Antenna
(patented)

Covert License Plate Frame Cellular, WiFi & GPS

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

Mobile Mark's patented CLP Series Covert License Plate Frame Antenna accommodates multiple antennas in one package. The antenna elements are placed inside the frame of the license plate and are not visible from the outside.

The CLP-MB1 License Plate Frame Antenna can accommodate up to three different applications. This three-cable model covers GPS, US Cellular/GSM (850 & 1900 MHz) as well as WiFi (2.4 & 5 GHz). Alternatively, the second cable is broadband and can be used to cover Public Safety 4.9 GHz networks in addition to WiFi.

Gain figures for this antenna are Cellular: 2.5 dBi gain, WiFi: 2 dBi gain, and GPS: 5 dBi nominal gain (26 dB Amplifier). If the antenna is used for Public Safety 4.9 GHz, gain rating is also 2 dBi gain.

The CLP Series 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 model number to indicate LED lighting.

The antenna is designed for easy installation; each band has a sepa-

rate cable feed and RF connector. Cable length is typically 2 feet (61 cm). Jumper cables can accommodate car, truck or trailer installations.

Model Configurator

CLP-MB1- 2 2 2 - BLK-24

Connector 1 ————
Connector 2 ————
Connector 3 ————
LED Option ("L" for LED or Blank for no LED) ————

Example: CLP-U15-2C2C2C-L-BLK-24

Cable Options:

Code	Cable
2	RG-174

Connector Options:

Code	Connector
A	TNC
B	Mini UHF
C	SMA
D	SMB
E	MCX

"00" to denote "No Cellular" and/or "No GPS"

(Other Configurations available.)

Specifications

Frequency:		Power:	10 Watts Max
Cable 1	824-925 & 1850-1990 MHz	Cables:	All cables RG-174, 2 ft (610 mm)
Cable 2	2.4 & 4.9-6.0 GHz	Case:	12.4"D x 6.4"H (315mm x 162mm)
Cable 3	1575.42 +/- 2 MHz	Case Material:	UV resistant ASA, Color: Black
Cellular Radio/Modem:		Mounting:	Standard license plate frame mounting (4 grommet openings)
Gain	2.5 dBi (peak)	Connectors:	SMA/SMA/SMA standard
WiFi Radio/Modem:		Operating Temp:	-40 to +85° C
Gain	2 dBi (peak)	Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
GPS:		Water Ingress:	IPx7
Amplifier Gain	26dB, LNA		
Antenna Gain	5 dBi nominal RHCP		
Noise Figure	2.0 dB max, 1.7 dB typical		
Amplifier Bias	2.7 to 5 VDC		
Amplifier Current	20 mA max, 10 mA typical		
VSWR	2:1 max over range		
Impedance:	50 Ohms Nominal		