MobileMark
antenna solutions

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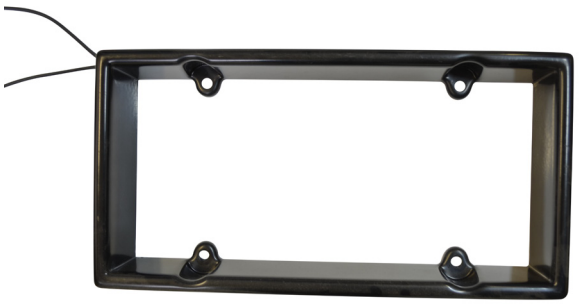
Covert License Plate Frame Cellular & GPS



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 CLP Series License Plate Frame Antenna from Mobile Mark accommodates multiple antennas in one package. This patented design feature 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 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 acommodate either car or truck or trailer installations.

Model Configurator

CLP-□□□-2□2□-□-BLK-24

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

Example: CLP-U15-2C2C-L-BLK-24

Freq. Options:		Cable Options:		Connector Options:	
Code	Freq (MHz)	Code	Cable	Code	Connector
U15	850/1900/GPS	2	RG-174	A	TNC
C15	925/1900/GPS			B	Mini UHF
N15	837/1900/GPS			C	SMA
				E	MCX

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

(Other Configurations available.)

Specifications

Cellular Frequency (Cable 1):	
U15	824-894 & 1850-1990 MHz
C15	870-960 & 1850-1990 MHz
N15	806-870 & 1850-1990 MHz
Cellular Radio/Modem:	
Gain	2.5 dBi (peak)
VSWR	2:1 max over range
GPS (Cable 2):	
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
GPS Frequency:	1575.42 +/- 2 MHz

Impedance	50 Ohms Nominal
Power:	10 Watts Max
Cables:	Both cables RG-174, 2ft (610mm)
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:	SMA/SMA standard
Operating Temp:	-40° to +80° C
Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
Water Ingress:	IPx7