



License Plate Frame Antenna

## Covert License Plate Frame UHF, Cellular & GPS

- Antenna elements hidden inside the frame of the license plate
- 3 cables; each band has a separate cable
- UHF element is field tunable
- 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-UHF License Plate Frame Antenna can accommodate up to three different applications. The 3-cable model covers GPS (1575 MHz), US Cellular (850 & 1900 MHz) as well as UHF (420-500 MHz).

The UHF element is field tunable to cover 20 MHz. Gain figures for this antenna are Cellular: 2.5 dBi gain, UHF: 2.5 dBi gain, and GPS: 5 dBi nominal gain (26 dB Amplifier).

The License Plate Frame Antenna can also be configured with only one or two cables, for example to cover UHF & Cellular but not GPS, or to cover only the UHF band. Specify "00" in place of the cable/connector indication in the model number.

The CLP Series Covert License Plate Frame Antenna can be mounted on either the front or rear of a vehicle.

The antenna is designed for easy installation; each band has a separate cable feed and RF connector. The cable length provided is

typically 2 feet (61 cm). Jumper cables can be ordered to accommodate various installations.

**Model Configurator**

CLP-UHF-1 2 2 -BLK-24

Connector 1  
Connector 2  
Connector 3

Example: CLP-UHF-1C2C2C

Cable Options:		Connector Options:	
Code	Cable	Code	Connector
1	RG-58	A	TNC
2	RG-174	B	Mini UHF
		C	SMA
		D	SMB

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

(Other Configurations available.)

### Specifications

Frequency:		Power:	
Cable 1	420-500 MHz	UHF	50 Watts Max
	20 MHz field tuned bandwidth	Cellular	10 Watts Max
Cable 2	824-925 & 1850-1990 MHz	Cables:	
Cable 3	1575.42 +/- 2 MHz	Cellular & GPS	RG-174, 2 ft (610 mm)
Gain:		UHF	RG-58, 2 ft (610 mm)
Cellular & UHF	2.5 dBi (peak)	Case:	12.4"D x 6.4"H (315mm x 162mm)
GPS:		Case Material:	UV resistant ASA, Color: Black
Amplifier Gain	26dB, LNA	Mounting:	Std. license plate frame mounting (4 grommet openings)
Antenna Gain	5 dBi nominal RHCP	Connectors:	SMA/SMA standard
Noise Figure	2.0 dB max, 1.7 dB typical	Operating Temp:	-40 to +85° C
Amplifier Bias	2.7 to 5 VDC	Shock & Vibration:	IEEE 1478 EN 61373, MIL-810G
Amplifier Current	20 mA max, 10 mA typical		TIA 329.2-C
VSWR:	2:1 max over range	Water Ingress:	IPx7
Impedance:	50 Ohms Nominal		