



GPS-C 2R/GSM/FM/...

GPS Antenna with a $\frac{1}{4}$ λ Whip with Shock Spring for the 160 MHz, EGSM and FM Bands

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- > External antenna whip mounted on the GPS-Combi mount.
- > GPS-antenna for fixed installations.
- > Black-chromed, conical stainless steel whip.
- > Easily removable whip for car wash.
- > Full hemispherical coverage.
- > Built-in high gain, low noise amplifier.
- > Right-Hand Circularly Polarized antenna (RHCP).
- > 5 V supply voltage (3 V respectively 12 V available on request).
- > DC supply via RF-connector.
- > Sturdy, general-purpose $\frac{1}{4}$ λ antenna in professional quality.

ORDERING DESIGNATIONS

TYPE	PRODUCT NO.
GPS-C 2R/GSM/FM/...	132000063
TRI 2/900-1800-UMTS/FM (optional)	200000792

Can also be supplied factory-cut for the required frequency (between 144 - 175 MHz).

SPECIFICATIONS FOR WHIP

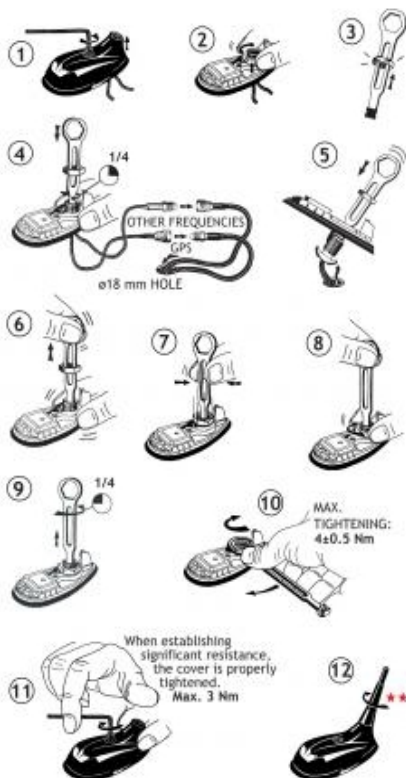
ELECTRICAL	
MODEL	GPS-C 2R/GSM/FM/...
ANTENNA TYPE	$\frac{1}{4}$ λ mobile antenna
FREQUENCY	Tunable by cutting within: 144 – 175 MHz also receives EGSM (880 - 960 MHz) and FM (88 - 108 MHz)

MECHANICAL	
MATERIALS	Whip: Black-chromed, conical stainless steel Black-chromed brass Spring: Black-chromed stainless steel

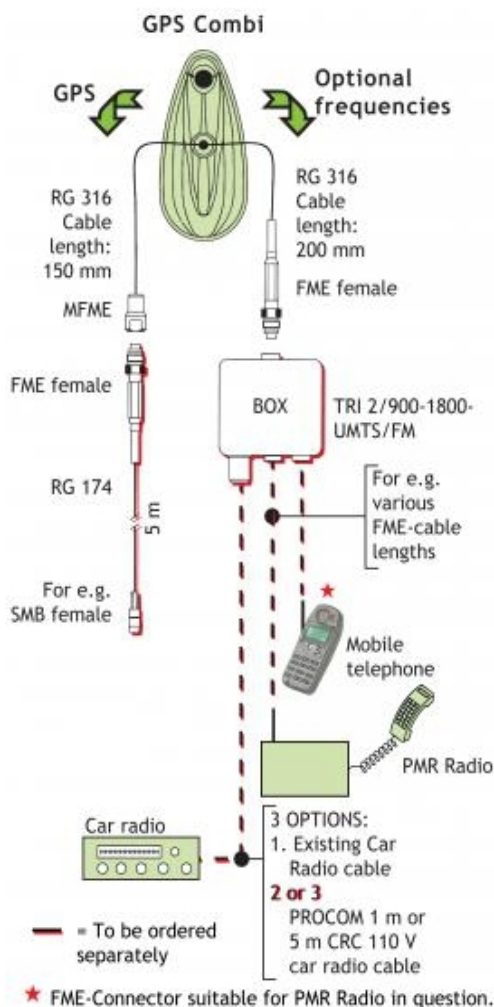
MECHANICAL (ONLY FOR THE GPS-PART)

MATERIALS	Cu-nite brass Stainless steel Reinforced thermoplastic
ANTENNA COLOUR	Black
TEMP. RANGE	-35° C → +75° C
CONNECTOR	FME (male for GPS) + FME (female for mobile antenna)
RECOMMENDED INSTALL. TORQUE	4 ± 0.5 Nm
DIMENSIONS (H x L)	Approx. 30 x 89 mm
ROOF THICKNESS	Max. 2.5 mm
WEIGHT	Approx. 114 g
MOUNTING	ø18.0 mm dia. hole for roof thickness up to 2.0 mm ø18.5 mm dia. hole for roof thickness 2.0 - 2.5 mm Tools for mounting included

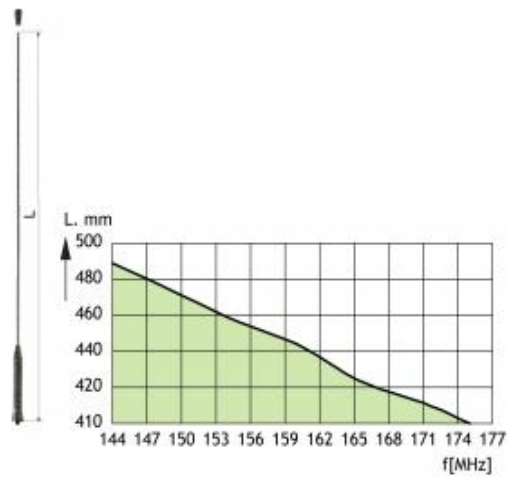
MOUNTING INSTRUCTIONS



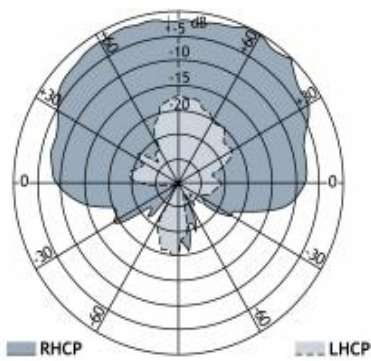
CABLE MOUNTING



TUNING



VERTICAL RADIATION PATTERN



TYPICAL RESPONSE CURVES

