

# Delock Shark Fin Antenna with LTE + WLAN + GNSS multiband

## Description

This multiband antenna by Delock is designed for **mounting on a car roof**.

The so-called **shark fin** antenna has **three different frequency bands**. The GPS patch antenna receives the signals of the Global Navigation Satellite Systems **GALILEO and GPS**. And it also works in all common **LTE** bands. The 2.4 GHz frequency band also covers the **WLAN** range.

### Stylish and functional

The modern design of this shark fin antenna not only looks good, but is also particularly stable and aerodynamic.



**Item no. 90052**

EAN: 4043619900527

Country of origin: Taiwan,  
Republic of China

Package: Box

## Technical details

- **Connectors:**
  - 1 x SMA plug
  - 1 x SMA plug
  - 1 x RP-SMA plug
- **SMA plug:**
  - Frequency range:
  - 698 - 960 MHz
  - 1710 - 2690 MHz
  - Antenna gain: 3.5 dBi
  - VSWR: < 3.0
  - Impedance: 50 Ohm
  - Polarisation: linear
- **RP-SMA plug:**
  - Frequency range:
  - 2400 - 2483.5 MHz
  - Antenna gain: 3.0 dBi

VSWR: < 2.0  
Impedance: 50 Ohm  
Polarisation: linear

- SMA plug:  
Frequency range:  
GPS: 1,5754200 GHz  
GALILEO: 1,5754200 GHz  
Antenna gain: 2 dBi  
VSWR: < 1.5  
Impedance: 50 Ohm  
Polarisation: RHCP
- LNA GNSS:  
Antenna gain: 28.0 dBi  
Noise figure: < 2.0 dB  
VSWR: < 2.0  
Power supply: 3.0 - 5.0 V  
Current consumption: < 15 mA
- Operating temperature: -40 °C ~ 85 °C
- Housing material: ABS
- Cable length: ca. 3 m
- Cable colour: black
- Cable type: RG-174
- Protection class: IP67
- Dimensions (LxWxH): ca. 182 x 70 x 69 mm

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## System requirements

- Device with free SMA / RP-SMA connectors

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## Package content

- Shark fin antenna
- Nut

## Images



## General

|                       |                 |
|-----------------------|-----------------|
| Mounting type:        | design mounting |
| Protection category:  | IP67            |
| Suitable for indoor:  | yes             |
| Suitable for outdoor: | yes             |

## Interface

|            |                                 |
|------------|---------------------------------|
| connector: | 1 x RP-SMA plug<br>2 x SMA plug |
|------------|---------------------------------|

## Technical characteristics

|            |      |
|------------|------|
| Impedance: | 50 Ω |
|------------|------|

## Physical characteristics

|                   |                       |
|-------------------|-----------------------|
| Housing colour:   | black                 |
| Housing material: | Plastic (ABS)         |
| Cable category:   | coaxial cable         |
| Cable colour:     | black                 |
| Cable length:     | 3 m (incl. connector) |
| Length:           | 182 mm                |
| Width:            | 69 mm                 |
| Height:           | 70 mm                 |