

# R&S® ADD107 COMPACT VHF/UHF DF ANTENNA



Product Brochure  
Version 01.00

**ROHDE & SCHWARZ**

Make ideas real





# AT A GLANCE

R&S®ADDx compact single-channel DF antennas are vital to the performance of the Rohde & Schwarz direction finders. The technology is based on over 50 years of experience in developing DF antennas that have superior sensitivity and accuracy, despite their compact size.

R&S®ADD107 VHF/UHF DF antennas are optimized for radiolocation from a moving vehicle on interference hunting missions and for small scale electronic warfare (EW) operations including emitter hunting missions and long-term monitoring missions close to targets. With the optional R&S®ADD17XZ3 vehicle adapter with magnet mount, the R&S®ADD107 can turn a commercial vehicle into an accurate mobile direction finder within minutes. The large magnetic surface and adaptation to slightly curved vehicle roofs, enables the adapter to be used at speeds of up to 130 km/h.

Sporadic radio interference sources and short emissions from private mobile radios (PMR) can be located with two or more transportable monitoring stations temporarily deployed at higher elevations, such as roof tops. Transportable ESM systems can be deployed for the quick surveillance of static areas, such as command outposts or for convoy protection during tactical movements. For temporary deployment, the R&S®ADD107 can be installed on an R&S®ADD17XZ6 wooden tripod or on an R&S®DDF1555X01 lightweight tripod with adapter.

R&S®ADD107 can be installed on erectable masts with the R&S®ADD17XZ2 mast adapter. The R&S®DDF1555X04 mast adapter is recommended for installation on transportable masts.

## KEY FACTS

- ▶ Frequency range from 20 MHz to 1.3 GHz
- ▶ Superior system DF accuracy
- ▶ Integrated GPS and electronic compass (depending on version)
- ▶ Vehicle adapter with magnet mount (option)
- ▶ Tripod with antenna adapter (option)

# SPECIFICATIONS IN BRIEF

## Specifications in brief

Frequency range		20 MHz to 1.3 GHz
Polarization		vertical
System DF accuracy	20 MHz to 1.3 GHz	3° RMS (typ.)
	300 MHz to 1.3 GHz	1° RMS (typ.)
Dimensions	Ø × H	approx. 0.33 m × 0.27 m (13 in × 10.63 in)
Weight		approx. 6 kg (13.23 lb)

# ORDERING INFORMATION

Description	Type	Order No.
<b>Antenna</b>		
Compact VHF/UHF DF antenna, color: light ivory	R&S®ADD107	4090.7005.02
Compact VHF/UHF DF antenna, color: squirrel grey	R&S®ADD107	4090.7005.04
Compact VHF/UHF DF antenna, color: bronze green	R&S®ADD107	4090.7005.05
Compact VHF/UHF DF antenna, color: pure white	R&S®ADD107	4090.7005.06
Compact VHF/UHF DF antenna, color: jet black	R&S®ADD107	4090.7005.07
Compact VHF/UHF DF antenna, without compass, color: light ivory	R&S®ADD107	4090.7005.52
Compact VHF/UHF DF antenna, without compass, color: squirrel grey	R&S®ADD107	4090.7005.54
Compact VHF/UHF DF antenna, without compass, color: bronze green	R&S®ADD107	4090.7005.55
Compact VHF/UHF DF antenna, without compass, color: pure white	R&S®ADD107	4090.7005.56
Compact VHF/UHF DF antenna, without compass, color: jet black	R&S®ADD107	4090.7005.57
<b>Accessories</b>		
<b>Adapter for masts</b>		
Mast adapter	R&S®ADD17XZ2	4079.5000.02
Mast adapter, for transportable masts	R&S®DDF1555X04	4500.4541.02
<b>Adapter for vehicles</b>		
Vehicle adapter with magnet mount	R&S®ADD17XZ3	4090.8801.02
<b>Tripods</b>		
Wooden tripod with adapter	R&S®ADD17XZ6	4090.8860.02
Lightweight tripod with antenna adapter	R&S®DDF1555X01	4500.4506.02

## Service options

Extended warranty, one year	R&S®WE1	
Extended warranty, two years	R&S®WE2	Please contact your local Rohde & Schwarz sales office.
Extended warranty, three years	R&S®WE3	
Extended warranty, four years	R&S®WE4	

## Service at Rohde & Schwarz You're in great hands

- ▶ Worldwide
- ▶ Local and personalized
- ▶ Customized and flexible
- ▶ Uncompromising quality
- ▶ Long-term dependability

## Rohde & Schwarz

The Rohde&Schwarz technology group is among the trail-blazers when it comes to paving the way for a safer and connected world with its leading solutions in test & measurement, technology systems and networks&cybersecurity. Founded more than 85 years ago, the group is a reliable partner for industry and government customers around the globe. The independent company is headquartered in Munich, Germany and has an extensive sales and service network with locations in more than 70 countries.

[www.rohde-schwarz.com](http://www.rohde-schwarz.com)

## Sustainable product design

- ▶ Environmental compatibility and eco-footprint
- ▶ Energy efficiency and low emissions
- ▶ Longevity and optimized total cost of ownership

Certified Quality Management

ISO 9001

Certified Environmental Management

ISO 14001

## Rohde & Schwarz training

[www.training.rohde-schwarz.com](http://www.training.rohde-schwarz.com)

## Rohde & Schwarz customer support

[www.rohde-schwarz.com/support](http://www.rohde-schwarz.com/support)

