



ANTENNA
MAKES THE
DIFFERENCE



Worldwide By
Calearo Antenne S.p.a.

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GENERAL CATALOGUE 2021





WE ARE "ANTEMNAE MAGISTER": THE MASTERS OF THE ANTENNA.

Calearo Antenne is a company that was born together with a family: the one created by Alessio Calearo and Lucia Ciman, who, at the end of the 1950s, devoted their energies to lay the foundations what is the industrial group we know today.

Since 1957 our goal and our values have remained unaffected, we have maintained the same passion and the same energy that my parents have transmitted to us and that led Calearo Antenne until today.

"Execute our business using the most advanced technologies to produce the leading solutions in the field of connectivity, bearing in mind that there are people be-

hind this technology": this is the first value that my father chose for its company. This is reason why our strength is in the team, a group made up of all the people who share our experience, our passion and our commitment. The beating heart of Calearo Antenne are the those who work together every day and who recognize the success of the company as a common goal.

It has been more than sixty year since we first look into the connectivity world. Since then, we have made signal transmission our flag. We have built our research centre, the brain of our group, which, thanks to the unceasing dialogue with several Italian and international universities,

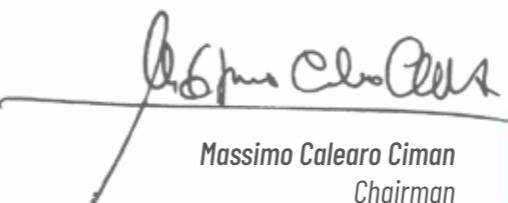
guarantees us to be at the forefront of technology. We have grown in terms of numbers, experience and competence. Today we are proud to supply over 20 car manufacturers directly.

We are a family business with international vision. Our heart is in Italy and our gaze is always towards new horizons.

We want to be the leaders in the production of antennas and connectivity systems for cars, and we do it as ambassadors of Made in Italy in the world. We like to consider limits as opportunities, technological excellence as a starting point, and the constant effort towards technological evolution as a star to aim for.

Nevertheless, we have never forgotten where we started from, nor who accompanied us on our journey, all the people who have contributed to make our company great over the years.

The world moves rapidly and Calearo Antenne keeps up with it. We are ready to face all unexplored challenges, offering dedicated solutions to our partners globally, joining forces with them in developing new technologies in their specific field. We are "Antemnae Magister": the masters of the antennas.



Massimo Calearo Ciman
Chairman





CALEARO ANTENNE

Vision

*Magister Antemnae: being best in class in connectivity.
Becoming excellence in your target market.*

Mission

*Being a reference supplier, with profitability,
of highly innovative solutions for market leaders
and some niches in the world of connectivity*



RESEARCH, DEVELOPMENT AND INNOVATION

Evolution plays a special role for Calearo Antenne. Research and development are both a commercial necessity and a constant investment: a look into the future, to remain at the forefront of technology and lead the sector.

Calearo Antenne has always boasted flexibility and the ability to react quickly to market demands, qualities that allow us to face the challenges that the globalized world raises today, and to anticipate those of tomorrow.

All this is CE.R.CA:
Calearo Research Center
(Centro di Ricerca Calearo).

The Calearo Research and Development Center, or Ce.R.Ca., is the fulcrum, the engine and the technological soul of Calearo, it is the "place" for the construction of competitiveness from which the leadership of the company and the continuous drive to the future, to innovation and experimentation.

Inaugurated in 2005, the Ce.R.Ca. today employs about 50 highly qualified researchers including PhDs, engineers, physicists and specialized technicians dedicated to research and development for all phases of product advancement, from design to production, working in synergy with national and foreign universities and research centres.



CERTIFICATIONS

For Calearo, continuous improvement is a recurrent activity aimed to increase performance.

The path of defining objectives and identifying opportunities of improvement is a continuous process that apply the results and conclusions of the audit, data analysis, management review and other dedicated means. It generally involves corrective or preventive actions.



Performance is a measurable result that can refer to something qualitative or quantitative, being management activities, processes, products, services, system or organization. Continuous improvement is nothing more than the process of becoming a more effective organization, an incremental path made up of many small steps towards a better professional future.

CALEARO IN THE WORLD

Calearo Antenne defines itself as a "glocal" company, which operates in a globalized world, but draws energy from its roots deep in Italian ingenuity.

The choice that has always distinguished us is to be constantly in touch with our customers and their markets. For this reason, over the years, we strived to expand our commercial network all over the world.

To be present at the hotspots of global automotive manufacturing is a central point for us.

Technology evolves fast, and so do the increasingly peculiar demands of the market. Our factories in Italy, Slovakia, Tunisia and China allow us to respond efficiently and effectively to all the market's needs.

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The high quality of Calearo antennas and cables allows to create a reception system able to optimize the sound inside the car by making the most of all its features. Fitted to a saloon or a micro car, or even a cabin of an agricultural vehicle, our antennas guarantee total functional efficiency, reliability, durability and top reception.



SHARK 3 NEW

ROOF ANTENNA

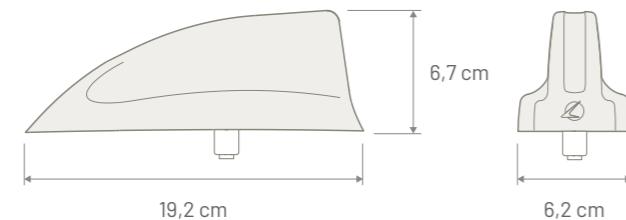
AVAILABLE VERSIONS			
AM / FM	DAB	GNSS	LTE
P/N: 7677520 - QUAD	•	•	•
P/N: 7677510 - TRIPLEX	•	•	•
P/N: 7677500 - COMBI RADIO	•	•	

TECHNICAL SPECIFICATION

	AM / FM	DAB	GNSS	LTE
Connector	FAKRA Male White	FAKRA Male Black	FAKRA Male Blue	FAKRA Male Bordeaux
Cable Type	RG 174	RG 174	RG 174	RG 174
Cable Length	200 mm	300 mm	400 mm	250 mm
Power Supply	12 Volt Phantom	12 Volt Phantom	3 - 5 Volt Phantom	--
Consumption	63 mA	40 mA	31 mA	--
Impedance	FM: 50 Ω	50 Ω	50 Ω	50 Ω
Gain	--	6 dBi	28 dBi	Peak: 4 dBi Average: -4 dBi
VSWR	FM < 2:1	< 3:1	1.7:1	3:1
Max Power	--	--	--	4 Watt
Protection Class	IP69			
Coachwork drilling	Round: 17 mm			
Note				



Dimensions

**SHARK 2**

ROOF ANTENNA

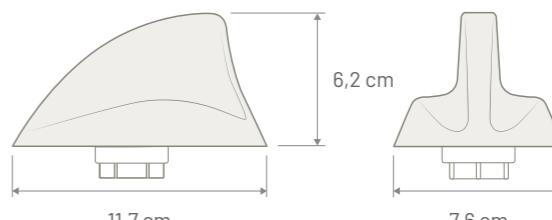
AVAILABLE VERSIONS		
AM / FM	DAB	GNSS
P/N: 7677810 - TRIPLEX	•	•
P/N: 7677815 - COMBI RADIO	•	•
P/N: 7677820 - DAB		•
P/N: 7677825 - DUPLEX	•	
P/N: 7677830 - RADIO	•	•

TECHNICAL SPECIFICATION

	AM / FM	DAB	GNSS
Connector	FAKRA Male White	FAKRA Male Black	FAKRA Male Blue
Cable Type	RG 174	RG 174	RG 174
Cable Length	250 mm	250 mm	250 mm
Power Supply	12 Volt Dedicated and Phantom	12 Volt Dedicated and Phantom	3 - 5 Volt Phantom
Consumption	50 mA max	50 mA max	31 mA
Impedance	50 Ω	50 Ω	50 Ω
Gain	--	2 dBi	28 dBi
VSWR	--	< 3:1	1.7:1
Protection Class	IP68		
Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm		
Note			



Dimensions



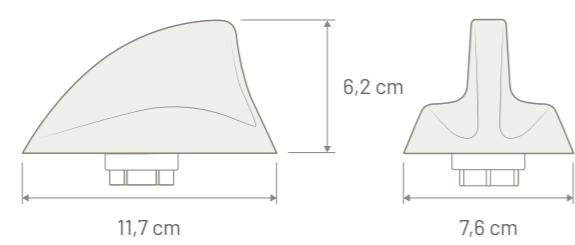
SHARK 2 TV**ROOF ANTENNA**

AVAILABLE VERSIONS		
AM / FM	DTT	GNSS
P/N: 7727083 - TRIPLEX TV •	•	•
P/N: 7727082 - COMBI TV •	•	

TECHNICAL SPECIFICATION

	AM / FM	DTT	GNSS
Connector	FAKRA Male White	FAKRA Male Green	FAKRA Male Blue
Cable Type	RG 174	RG 174	RG 174
Cable Length	250 mm	250 mm	250 mm
Power Supply	12 Volt Dedicated and Phantom	12 Volt Dedicated and Phantom	3 - 5 Volt Phantom
Consumption	50 mA max	40 mA max	45 mA max
Impedance	FM: 50 Ω	50 Ω	50 Ω
Gain	--	4 dBi	28 dBi
VSWR	--	< 4	2:1
Protection Class	IP68		
Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm		

Note

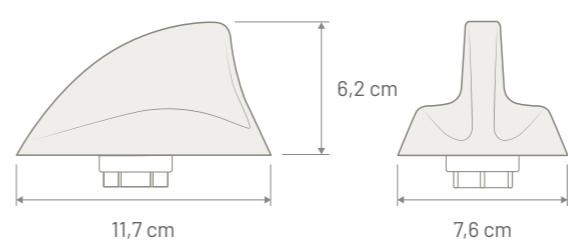
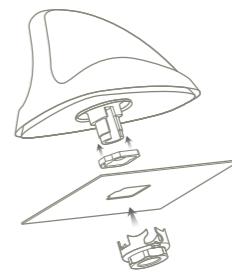
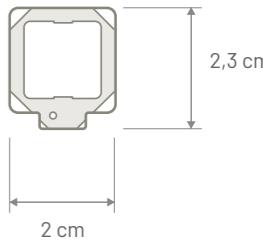
**Dimensions****ROOF ANTENNA****SHARK 2 FCA****AVAILABLE VERSIONS**

	AM / FM	DAB	GNSS
P/N: 7677890 - TRIPLEX	•	•	•
P/N: 7677892 - COMBI RADIO	•	•	
P/N: 7677894 - RADIO	•		

TECHNICAL SPECIFICATION

	AM / FM	DAB	GNSS
Connector	FAKRA Female White	FAKRA Female Grey	FAKRA Female Blue
Cable Type	RG 174	RG 174	RG 174
Cable Length	250 mm	200 mm	350 mm
Power Supply	12 Volt Dedicated and Phantom	12 Volt Dedicated and Phantom	3 - 5 Volt Phantom
Consumption	50 mA max	50 mA max	45 mA max
Impedance	50 Ω	50 Ω	50 Ω
Gain	--	2 dBi	28 dBi
VSWR	--	< 3:1	2:1
Protection Class	IP68		
Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm		

Note

**Dimensions****Mounting scheme****FCA hole**

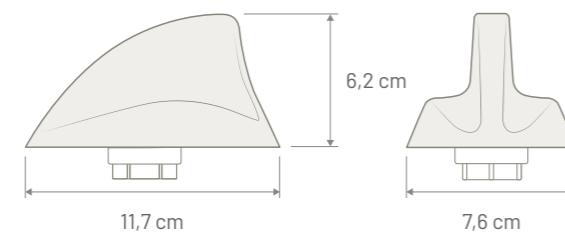
SHARK 2 NISSAN COMBI RADIO NEW

P/N: 7677965	AM / FM	DAB	ROOF ANTENNA
Connector	GT13 Female	FAKRA Male Brown	
Cable Type	RG 174	RG 174	
Cable Length	300 mm	250 mm	
Power Supply	12V Dedicated and Phantom	12V Dedicated and Phantom	
Consumption	50 mA max	50 mA max	
Impedance	50 Ω	50 Ω	
Gain	--	2 dBi	
VSWR	--	< 3:1	
Protection Class	IP68		
Coachwork drilling		Square: 15 x 15 mm - Round: 19 mm	

Note



Dimensions

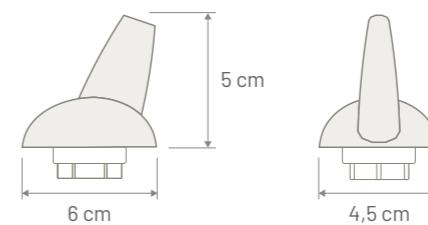
**SHARK 1 RADIO**

P/N: 7677805	AM / FM	ROOF ANTENNA
Connector	FAKRA Male White	
Cable Type	RG 174	
Cable Length	250 mm	
Power Supply	12 Volt Dedicated and Phantom	
Consumption	60 mA max	
Impedance	50 Ω	
Protection Class	IP68	
Coachwork drilling		Square: 15 x 15 mm - Round: 19 mm

Note



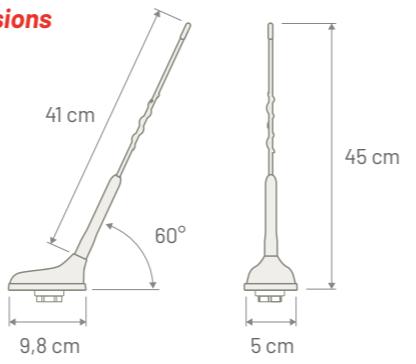
Dimensions



TRIPLEX

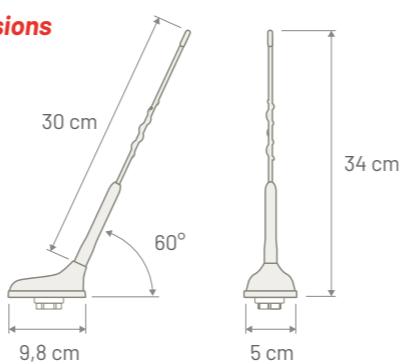
P/N: 7677840	AM / FM	DAB	GNSS
Connector	FAKRA Male White	FAKRA Male Black	FAKRA Male Blue
Cable Type	RG 174	RG 174	RG 174
Cable Length	180 mm	200 mm	220 mm
Power Supply	12 Volt Dedicated	12 Volt Dedicated	3 - 5 Volt Phantom
Consumption	12 Volt Dedicated	12 Volt Dedicated	45 mA max
Impedance	75 mA max	75 mA max	50 Ω
Gain	--	12 dBi	32 dBi
VSWR	AM: < 5:1 / FM: < 8:1	< 5:1	2:1
Rod Length	410 mm	Base Angle	60 degree
Rod Thread	M6	Protection Class	IP67
Rod Type	Antinoise	Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm

Note

**Dimensions****TRIPLEX SHORT ROD** NEW

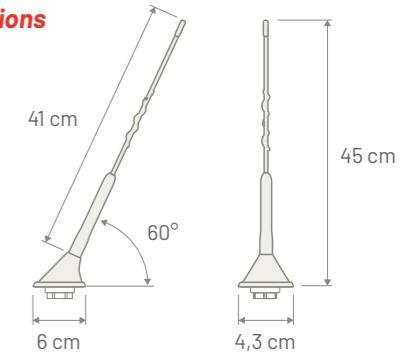
P/N: 7677845	AM / FM	DAB	GNSS
Connector	FAKRA Male White	FAKRA Male Black	FAKRA Male Blue
Cable Type	RG 174	RG 174	RG 174
Cable Length	225 mm	260 mm	270 mm
Power Supply	12 Volt Dedicated	12 Volt Dedicated	3 - 5 V Phantom
Consumption	75 mA max	75 mA max	45 mA max
Impedance	50 Ω	50 Ω	50 Ω
Gain	--	0 dBi	30 dBi
VSWR	AM: 5:1 / FM: 7,5:1	3,5:1	1,5:1
Rod Length	300 mm	Base Angle	60 degree
Rod Thread	M6	Protection Class	IP67
Rod Type	Antinoise	Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm

Note

**Dimensions****COMBI RADIO**

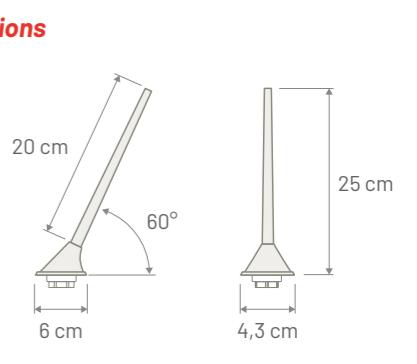
P/N: 7677850	AM / FM	DAB	
Connector	FAKRA Male White	FAKRA Male Black	
Cable Type	RG 174	RG 174	
Cable Length	180 mm	200 mm	
Power Supply	12 Volt Dedicated	12 Volt Dedicated	
Consumption	50 mA max	50 mA max	
Impedance	50 Ω	50 Ω	
Gain	--	12 dBi	
VSWR	AM: 5:1 / FM: 7,5:1	< 3:1	
Rod Length	410 mm	Base Angle	60 degree
Rod Thread	M6	Protection Class	IP68
Rod Type	Antinoise	Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm

Note

**Dimensions****COMBI RADIO SHORT ROD**

P/N: 7677855	AM / FM	DAB	
Connector	FAKRA Male White	FAKRA Male Black	
Cable Type	RG 174	RG 174	
Cable Length	180 mm	200 mm	
Power Supply	12 Volt Dedicated	12 Volt Dedicated	
Consumption	50 mA max	50 mA max	
Impedance	50 Ω	50 Ω	
Gain	--	0 dBi	
VSWR	AM: 5:1 / FM: 7,5:1	< 3:1	
Rod Length	200 mm	Base Angle	60 degree
Rod Thread	M5	Protection Class	IP68
Rod Type	Smooth	Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm

Note

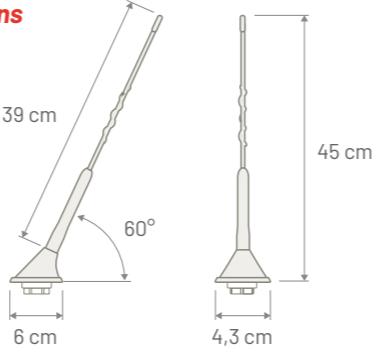
**Dimensions**

DAB PASSIVE

P/N: 7677860

DAB			
Connector			FAKRA Male Black
Cable Type			RG 174
Cable Length			100 mm
Impedance			50 Ω
Gain			2 dBi
VSWR			< 3,5:1
Rod Length	390 mm	Base Angle	60 degree
Rod Thread	M5	Protection Class	IP68
Rod Type	Antinoise	Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm

Note

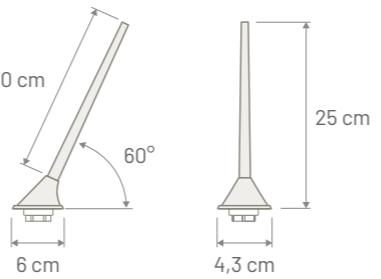
**Dimensions****16V SHORT ROD DAB READY**

P/N: 7677865

AM / FM			
Connector			FAKRA Male White
Cable Type			RG 174
Cable Length			180 mm
Impedance			FM: 50 Ω
Gain			--
VSWR			FM: < 3:1
Rod Length	200 mm	Base Angle	60 degree
Rod Thread	M5	Protection Class	IP68
Rod Type	Smooth	Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm

Note

To enable DAB reception an Active or Passive Splitter is needed (see SERVICE BOX chapter)

**Dimensions****16V RADIO 60°****AVAILABLE VERSIONS**

TYPE	POWER SUPPLY	ROD TYPE
P/N: 7677870 - RADIO	Passive	--
P/N: 7677872 - RADIO	Active	12 V Phantom
P/N: 7677874 - RADIO	Active	12 V Dedicated

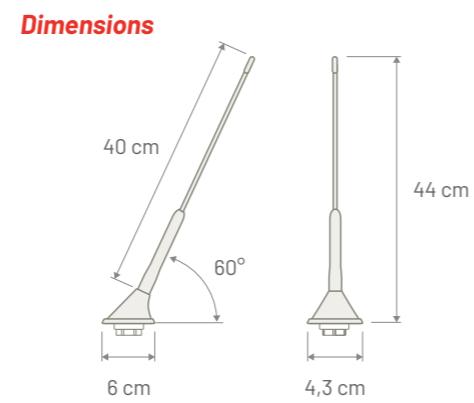
TECHNICAL SPECIFICATION

AM / FM
Connector
Cable Type
Cable Length
Consumption
Impedance
Gain
VSWR
Rod Length
Rod Thread
Base Angle
Protection Class
Coachwork drilling
Note

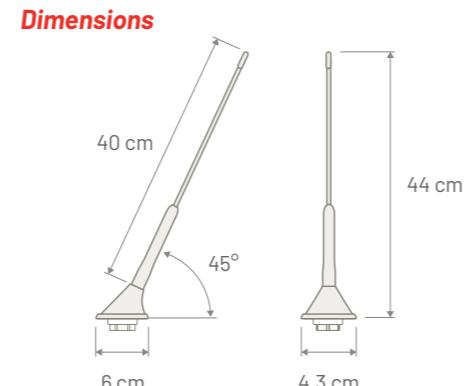


16V RADIO 60° ANTITHEFT

P/N: 7677876	AM / FM			REAR ROOF
Connector	FAKRA Male White			
Cable Type	RG 174			
Cable Length	180 mm			
Power Supply	12 Volt Phantom			
Consumption	60 mA max			
Impedance	FM: 50 Ω			
Gain	--			
VSWR	FM: < 4,5:1			
Rod Length	405 mm	Protection Class	IP68	
Base Angle	60 degree	Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm	
Note	Rod Antitheft System is Patented by Calearo			

**16V RADIO 45°**

P/N: 7677882	AM / FM			FRONT ROOF
Connector	FAKRA Male White			
Cable Type	RG 174			
Cable Length	180 mm			
Impedance	--			
Gain	--			
Rod Length	405 mm	Base Angle	45 degree	
Rod Thread	M5	Protection Class	IP68	
Rod Type	Smooth	Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm	
Note				

**16V RADIO 76°**

AVAILABLE VERSIONS		
TYPE	POWER SUPPLY	ROD TYPE
P/N: 7677878 - RADIO	Passive	--
P/N: 7677880 - RADIO	12V Dedicated	Smooth
TECHNICAL SPECIFICATION		
AM / FM		
Connector	FAKRA Male White	
Cable Type	RG 174	
Cable Length	180 mm	
Consumption	60 mA max (only active antennas)	
Impedance	--	
Gain	--	
VSWR	--	
Rod Length	405 mm	
Rod Thread	M5	
Base Angle	76 degree	
Protection Class	IP68	
Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm	
Note		



FLEXI TE BASE

		ROOF / PILLAR	
	CONNECTOR	CABLE TYPE	CABLE LENGTH
P/N: 7667010 - RADIO DAB READY	DIN Male	RG 58	2500 mm
P/N: 7667011 - RADIO DAB READY	DIN Male	RG 58	1500 mm

TECHNICAL SPECIFICATION

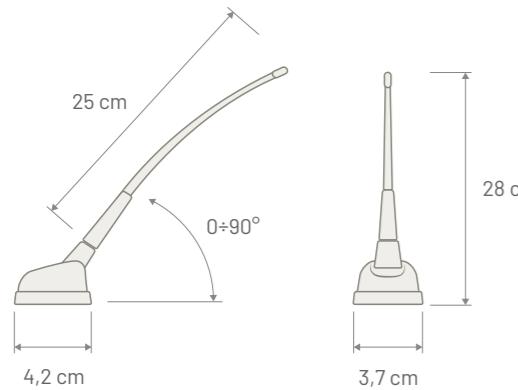
	AM / FM
Impedance	50 Ω
Gain	--
Rod Length	240 mm
Rod Thread	M6
Rod Type	Rubber - High flexibility - Heavy duty
Protection Class	IP68
Coachwork drilling	A: Ø 4,7 mm B: Ø 8 mm D: 14 mm

Note

To enable DAB reception an Active or Passive Splitter is needed (see SERVICE BOX chapter)



Dimensions



Coachwork Drilling

**FLEXI SPHERIC BASE**

	ROOF / PILLAR		
	CONNECTOR	CABLE TYPE	CABLE LENGTH
P/N: 7667012 - RADIO DAB READY	DIN Male	RG 58	2500 mm
P/N: 7667013 - RADIO DAB READY	DIN Male	RG 58	1500 mm

TECHNICAL SPECIFICATION

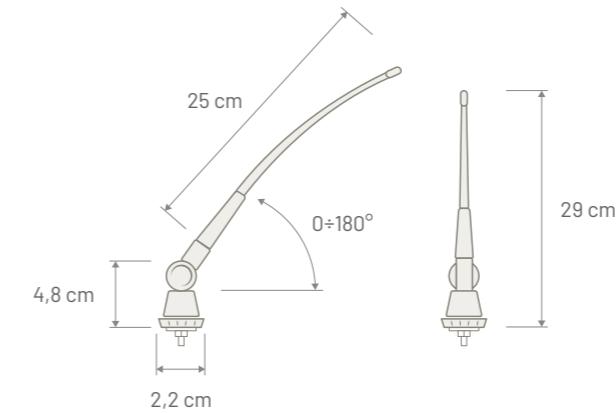
	AM / FM
Impedance	50 Ω
Gain	--
Rod Length	240 mm
Rod Thread	M6
Rod Type	Rubber - High flexibility - Heavy duty
Protection Class	IP68
Coachwork drilling	Round 9 mm

Note

To enable DAB reception an Active or Passive Splitter is needed (see SERVICE BOX chapter)



Dimensions



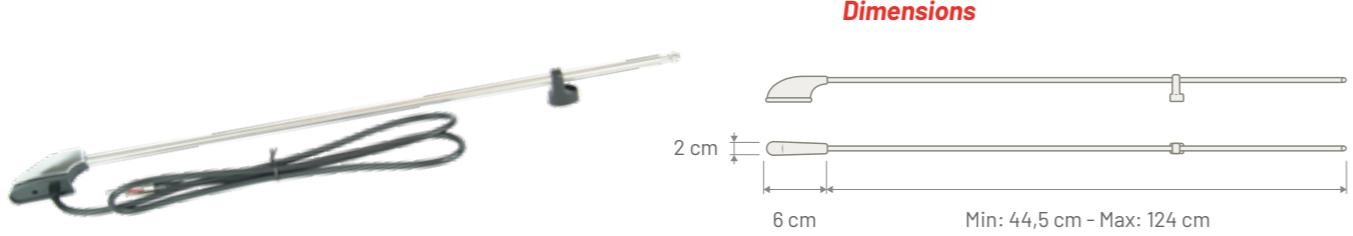
Coachwork Drilling



RADIO PILLAR

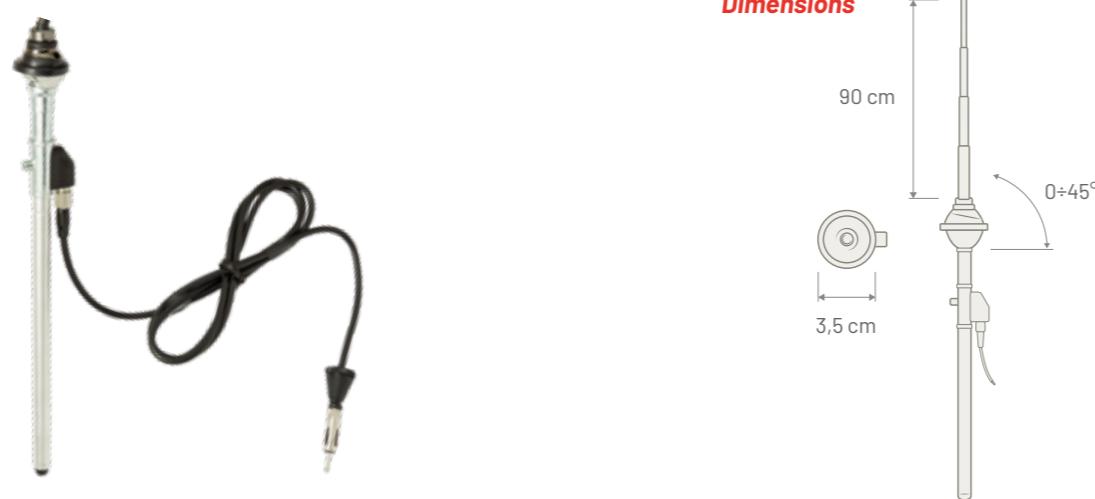
P/N: 7627008	AM / FM
Connector	DIN Male
Cable Type	COAXIAL
Cable Length	1500 mm
Impedance	130 Ω
Rod Length	Min: 445 mm - Max: 1240 mm
Rod Type	3 elements INOX telescopic rod
Mounting	Pillar
Coachwork drilling	Round 10 mm

Note

**RADIO FENDER**

P/N: 7677153	AM / FM
Connector	DIN Male
Cable Type	COAXIAL
Cable Length	1500 mm
Impedance	130 Ω
Rod Length	85 cm
Rod Type	4 elements INOX telescopic rod
Rod Angle	Max 45 degree from vertical position
Mounting	Fender
Coachwork drilling	Round 17 mm

Note

**TELESCOPIC ANTENNA****TELESCOPE ELECTRIC ANTENNA** **NEW**

COLOR TELESCOPIC ROD	
P/N: 7677154 - MOTORIZED	INOX
P/N: 7677155 - MOTORIZED	BLACK
TECHNICAL SPECIFICATION	
AM / FM	
Connector	DIN Male
Cable Type	3C-2V
Cable Length	1400 mm
Power Supply	12 Volt Dedicated
Consumption	36 watt max
Impedance	50 Ω
Rod Length	790 mm
Rod Type	5 elements stainless steel telescopic rod
Rod Angle	Max 30 degree from vertical position
Coachwork drilling	Round 14,5 mm

Note



NEW LIGHT RADIO SERIES NEW

P/N: 7677925 - COMBI RADIO
P/N: 7677926 - RADIO
P/N: 7677929 - DAB EVOLUTION

INTERNAL ON-GLASS ANTENNA

AVAILABLE VERSIONS

AM / FM	DAB
•	•
•	•

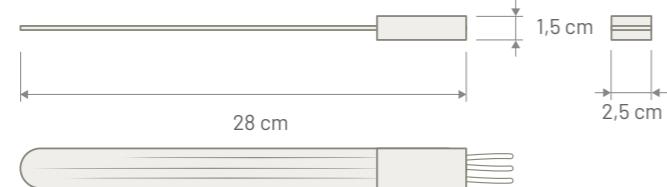
TECHNICAL SPECIFICATION

	AM / FM	DAB
Connector	FAKRA Male White	FAKRA Male Black
Cable Type	RG 174	RG 174
Cable Length	150 mm	150 mm
Power Supply	12 Volt Phantom	12 Volt Phantom
Consumption	90 mA max	90 mA max
Impedance	50 Ω	50 Ω
Gain	--	8 dBi
VSWR	FM: < 3:1	< 2:1
Protection Class	IP41	
Mounting	Internal adhesive on-glass	

Note Amplifier must be powered from both AM / FM and DAB connector



Dimensions



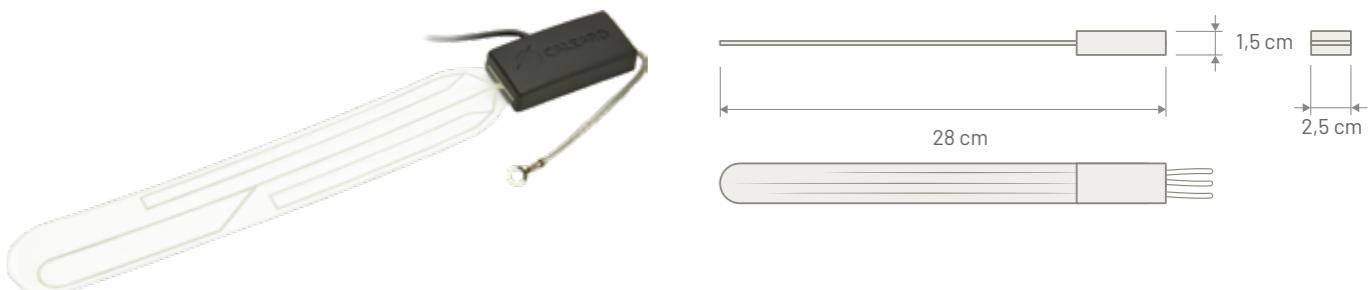
LIGHT DAB

P/N: 7677938

DAB

Connector	FAKRA Female Black
Cable Type	RG 174
Cable Length	3000 mm
Power Supply	12 Volt Phantom
Consumption	35 mA max
Impedance	--
Gain	4 dBi
VSWR	--
Protection Class	IP34
Mounting	Adhesive internal on glass
Note	FAKRA Male Waterblue (Universal code) > SMB Female 90° adapter cable included in the package

Dimensions



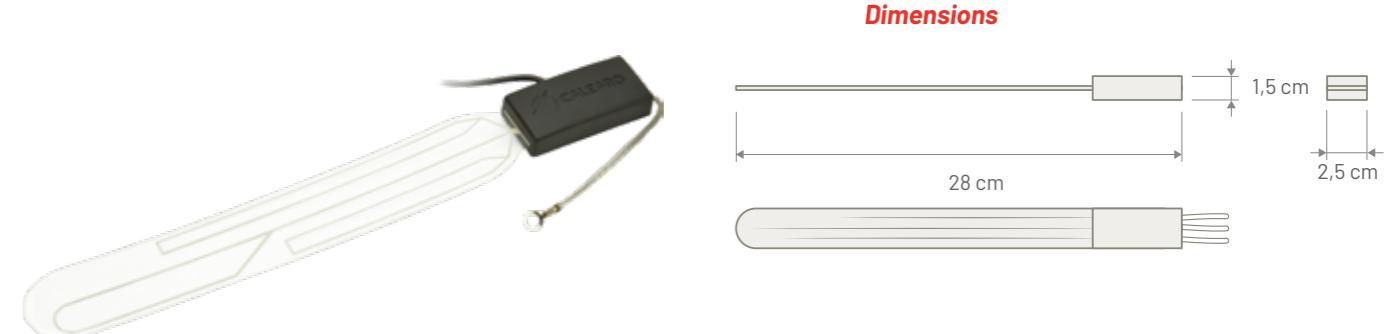
LIGHT TV

P/N: 7137122

DTT

Connector	MINI JACK Male 3,5 Mm
Cable Type	RX 174
Cable Length	3000 mm
Power Supply	12 Volt Dedicated
Consumption	35 mA max
Impedance	75 Ω
Gain	6 dBi
Protection Class	IP34
Mounting	Adhesive internal on glass

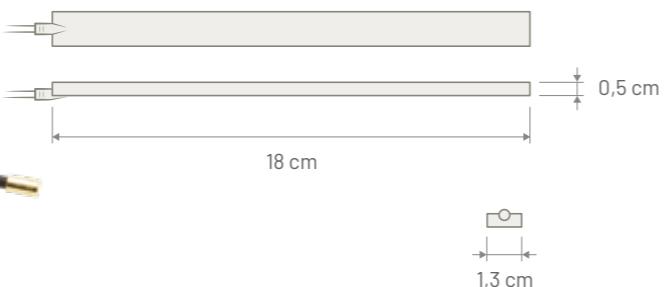
Note



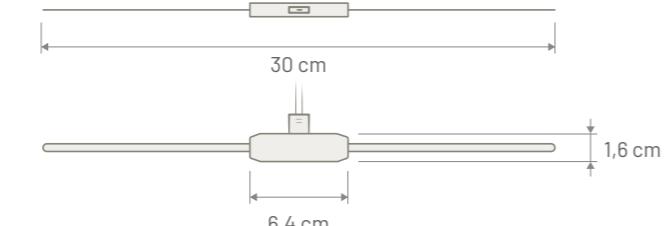
INTERNAL ON-GLASS ANTENNA

RUBBER DAB

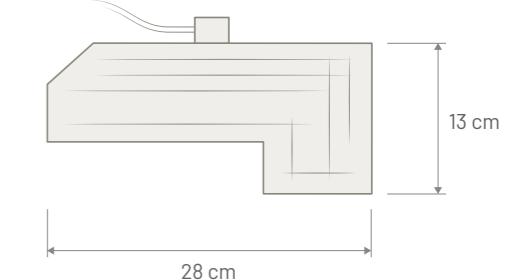
P/N: 7137134	DAB	INTERNAL ON-GLASS ANTENNA
Connector	SMB Female 90°	
Cable Type	RG 174	
Cable Length	3500 mm	
Power Supply	12 volt Phantom	
Consumption	35 mA max	
Impedance	50 Ω	
Gain	6 dBi	
VSWR	1.8 typical	
Mounting	Adhesive internal on glass	
Note		

**Dimensions****WHISKER AM / FM****INTERNAL ON-GLASS ANTENNA**

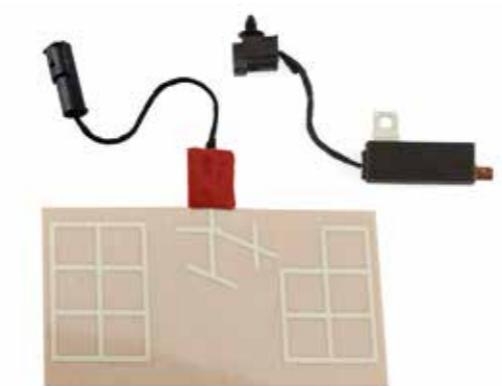
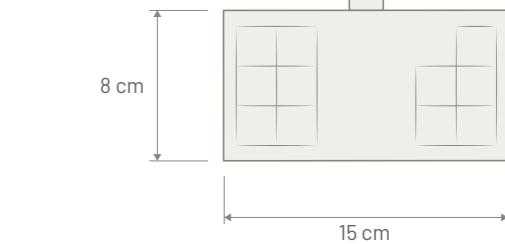
AVAILABLE VERSIONS		
CONNECTOR	CABLE LENGTH	POWER SUPPLY
DIN Male	2400 mm	12 volt Dedicated
P/N: 7697015 - WHISKER DIN		
P/N: 7697018 - WHISKER FAKRA		
TECHNICAL SPECIFICATION		
AM / FM		
Consumption	40 mA max	
Impedance	75 Ω	
Gain	--	
VSWR	< 3,0:1	
Mounting	Adhesive internal on glass	
Note	AM and FM double amplification	

**Dimensions****FOIL DAB**

P/N: 7677955	AM / FM	DAB
Connector	FAKRA Male White	FAKRA Male Brown
Cable Type	--	--
Cable Length	--	--
Power Supply	12 Volt Phantom	12 Volt Phantom
Consumption	60 mA max	60 mA max
Impedance	50 Ω	50 Ω
Gain	--	8 dBi
VSWR	FM: 2,1:1	1,7 : 1
Protection Class		Amplifier IP67
Mounting		Antenna: internal adhesive; Amplifier: screw fastening
Note	Amplifier must be powered from both AM / FM and DAB connector	

**Dimensions****FOIL DAB**

P/N: 7677951	DAB	BUMPER, PLASTIC AND FIBERGLASS SURFACE MOUNTING
Connector	FAKRA Male Brown	
Power Supply	12 volt Phantom	
Consumption	60 mA max	
Impedance	50 Ω	
Gain	10 dBi	
VSWR	< 2:1	
Protection Class	IP67	
Mounting	Foil: adhesive internal on bumper and other plastic and fiberglass parts Amplifier: screw to the metallic part	
Note		

**Dimensions**

TELEMATICS

RADOME COMPACT	36
SHARK 2	37
ON ROOF	38
MAGNETIC	38
LUNEX	39
INTERNAL	40
LOCATIONING	41

Calearo continuously strive to offering a wide range of antennas able to optimize mobile communication, localitioning and data transmission in order to guarantee the best performance for any personal, commercial, emergencies and duty application.



COMLOC NEW

ROOF ANTENNA

AVAILABLE VERSIONS			
GSM - UMTS - LTE	WIFI - BT	WIFI DUALBAND - BT	GNSS
P/N: 7770057 - COMLOC	•	•	•
P/N: 7770058 - COMLOC MIMO 3x	3x	•	•
P/N: 7770059 - COMLOC MIMO 2x2	2x	2x	•

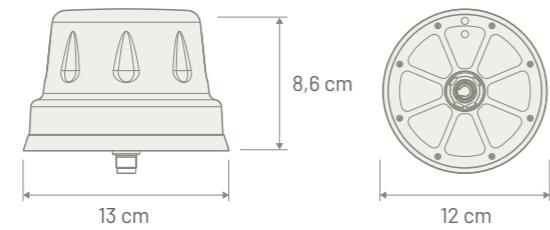
TECHNICAL SPECIFICATION

	GSM - UMTS - LTE	WIFI - BT	WIFI DUALBAND - BT	GNSS
Connector	FAKRA Male Bordeaux	FAKRA Male Violet	FAKRA Male Violet	FAKRA Male Blue
Cable Type	RG 174	RG 174	RG 174	RG 174
Cable Length	190 mm	190 mm	190 mm	190 mm
Power Supply	--	--	--	3 - 5 V
Consumption	--	--	--	15 - 45 mA
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Gain	Peak: 4 dBi Average: -4 dBi	Peak: 3 dBi Average: -2 dBi	Peak: 4 dBi Average: -1 dBi	28 dBi
VSWR	2,5:1	1,8:1	1,8:1	1,5:1
Max Power	4 Watt	4 Watt	4 Watt	--
Protection Class	IP69			
Mounting	On roof			
Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm			

Note



Dimensions

**SHARK 2**

ROOF ANTENNA

AVAILABLE VERSIONS		
GSM - UMTS - LTE	WIFI DUAL BAND	GNSS
P/N: 7727098 - SHARK 2 COMLOC	•	•
P/N: 7727099 - SHARK 2 COMLOC WIFI	•	•

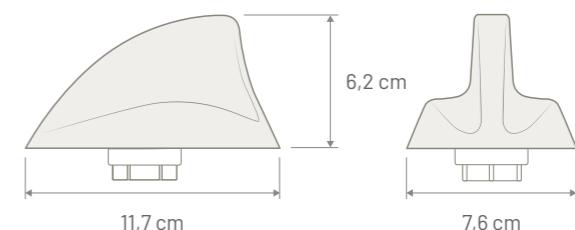
TECHNICAL SPECIFICATION

	GSM - UMTS - LTE	WIFI DUAL BAND	GNSS
Connector	FAKRA Male Bordeaux	FAKRA Male Violet	FAKRA Male Blue
Cable Type	RG 174	RG 174	RG 174
Cable Length	290 mm	120 mm	290 mm
Power Supply	--	--	3 - 5 Volt Phantom
Consumption	--	--	45 mA max
Impedance	50 Ω	50 Ω	50 Ω
Gain	LTE: Peak 4 dBi Average: -4 dBi	Peak: 4 dBi Average: -1 dBi	30 dB
VSWR	LTE: 2.5:1	2:1	2:1
Max Power	4 W	4 W	--
Protection Class	IP67		
Mounting	On roof mounting		
Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm		

Note



Dimensions

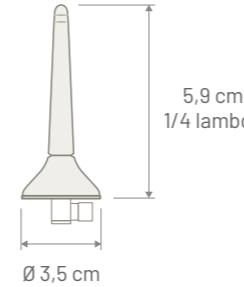


LAMBDA QUARTER

AVAILABLE VERSIONS			ROOF ANTENNA
CONNECTOR	CABLE LENGTH	CABLE TYPE	
P/N: 7681052 - LAMBDA QUARTER	FME Female - FME Female	5000 mm	RG 58
P/N: 8610028 - LAMBDA QUARTER BRACKET	FME Female - SMA Male	5000 mm	LOW LOSS
TECHNICAL SPECIFICATION			
AMPS - GSM - DCS - UMTS			
Connector	FME Male	Max Power	8 Watt
Impedance	50 Ω	Protection Class	IP64
Gain	2,15 dBi	Mounting	On roof
VSWR	TX ≤ 2:1 - RX ≤ 2,5:1	Coachwork drilling	Round: 14 mm
Note	P/N 8610028: supplied with a special bracket for on wall/on mast mounting		



Dimensions

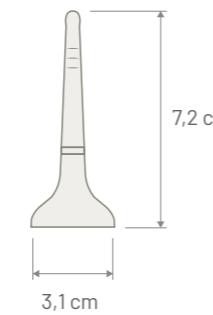
**Magnetic****MAGNETIC EVOLUTION LTE**

AVAILABLE VERSIONS			ROOF ANTENNA
CONNECTOR	CABLE LENGTH	CABLE TYPE	
P/N: 8610146 - MAG EVO 4G	N Male	3000 mm	RG 174
P/N: 8610147 - MAG EVO 4G NEW	SMA Male	3000 mm	RG 174
P/N: 8610148 - MAG EVO 4G NEW	FME Female	3000 mm	RG 174
TECHNICAL SPECIFICATION			
ISM - LTE - GSM		DCS - PCS - UMTS	LTE - WIFI - BLUETOOTH
Frequency	698 ÷ 960 MHz	1710 ÷ 2170 MHz	2500 - 2700 MHz
Impedance	50 Ω		50 Ω
Gain	1.0 dBi	2.4 dBi	2.1 dBi
VSWR	~ 1.9:1	~ 1.5:1	~ 1.3:1
Max Power	50 Watt	50 Watt	50 Watt
Protection Class	IP68		
Coachwork drilling	Magnetic mount		

Note



Dimensions

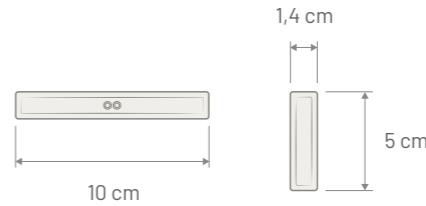
**LUNEX EVOLUTION** **NEW**

P/N: 7731010	GSM - UMTS - LTE	GNSS
Connector	FAKRA Male Bordeaux	FAKRA Male Blue
Cable Type	RG 174	RG 174
Cable Length	210 mm	210 mm
Power Supply	--	3 - 5 Volt Phantom
Consumption	--	19 - 36 mA
Impedance	50 Ω	50 Ω
Gain	- 5 dBi	29 dBi
VSWR	GSM: 3.5:1 - UMTS: 2:1 - LTE: 2.5:1	2:1
Protection Class	IP41	
Mounting	Internal adhesive mounting	

Note



Dimensions



RUBBER^{LTE}

P/N: 7681080	GSM - UMTS - LTE	
Connector	FAKRA Male Bordeaux	
Cable Type	RG 174	
Cable Length	110 mm	
Impedance	50 Ω	
Gain	-4 dBi	
VSWR	3,2:1	
Protection Class	IP67	
Mounting	Internal adhesive mounting	
Note		



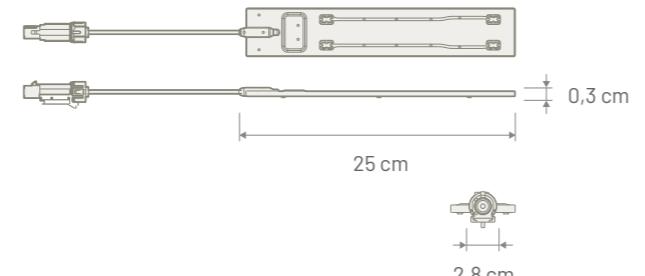
Dimensions

**RUBBER**^{LTE HP} NEW

P/N: 7681095	GSM - UMTS - LTE	
Connector	FAKRA Male Bordeaux Waterproof	
Cable Type	RG 174	
Cable Length	110 mm	
Power Supply	--	
Consumption	--	
Impedance	50 Ω	
Gain	-3 dBi	
VSWR	3,2:1	
Protection Class	IP67	
Mounting	Internal adhesive mounting	
Note		



Dimensions

**NAVI SMALL**

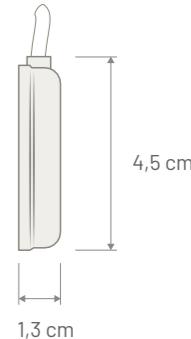
INTERNAL ANTENNA		
AVAILABLE VERSIONS		
CONNECTOR	CABLE LENGTH	CABLE TYPE
P/N: 7750004 - NAVI SMALL	SMB Female	3500 mm
P/N: 7750006 - NAVI SMALL	FAKRA Female Blue	3500 mm

TECHNICAL SPECIFICATION

GNSS	
Power Supply	3 - 5 Volt Phantom
Consumption	22 mA max
Impedance	50 Ω
Gain	≥ 22 dBi
VSWR	< 2.1
Protection Class	IP52
Mounting	Internal adhesive mounting
Note	



Dimensions

**NAVI**

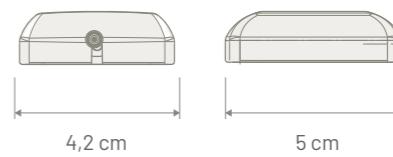
UNIVERSAL ANTENNA		
AVAILABLE VERSIONS		
CONNECTOR	CABLE LENGTH	CABLE TYPE
P/N: 7757001 - NAVI NEW	SMB Female	3500 mm
P/N: 7757006 - NAVI NEW	FAKRA Female Blue	3500 mm

TECHNICAL SPECIFICATION

GNSS	
Power Supply	3 - 5 Volt Phantom
Consumption	45 mA max
Impedance	50 Ω
Gain	28 dB
VSWR	1,5:1
Protection Class	IP69k
Mounting	Internal and external - Magnetic and adhesive mounting
Note	



Dimensions



CRITICAL

RADOME	44
EMERGENCY SERVICES	45
16 V	46
SHARK 2	49
RSA	50
QUAD	52

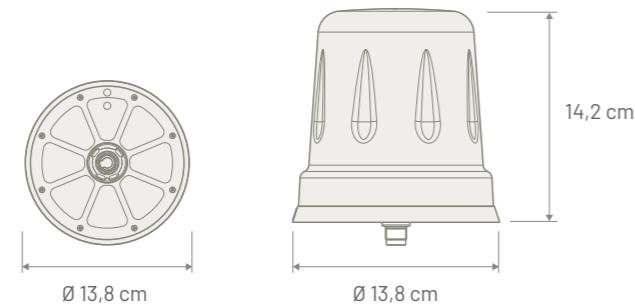
Calearo keep an extensive focus on special frequencies used by radio taxi operators, professional communications, police and emergency services. Antennas are available with single and multifunction guarantee functional efficiency and simple installation as well as full integration into the vehicle.



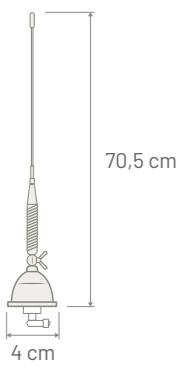
RADOME RUGGED**REAR ROOF ANTENNA**

AVAILABLE VERSIONS

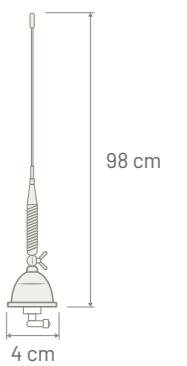
	GSM/UMTS/LTE	WIFI/BT	TETRA	UHF	GNSS
P/N: 7771050 - QUAD	•	•	•		•
P/N: 7771060 - TRIPLEX		•	•		•
P/N: 7771070 - DUPLEX UHF				•	•
P/N: 7771080 - DUPLEX TETRA			•		•
Connector	FAKRA Male Bordeaux	FAKRA Male Violet	FAKRA Male Green	FAKRA Male Green	FAKRA Male Blu
Cable Type	RG 174	RG 174	RG 174	RG 174	RG 174
Cable Length	250 mm	250 mm	250 mm	250 mm	220 mm
Power Supply	--	--	--	--	3 - 5 Volt Phantom
Consumption	--	--	--	--	45 mA max
Impedance	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω
Gain	Peak: 4 dBi Average: -4 dBi	Peak: 4 dBi Average: -1 dBi	0 dBi	0 dBi	32 dBi
VSWR	2,5:1	1,8:1	2:1	2:1	2:1
Max Power	4 Watt	4 Watt	20 Watt	20 Watt	--
Protection Class			IP69		
Mounting			On roof		
Coachwork drilling			Square: 15 x 15 mm - Round: 19 mm		
Note					

**Dimensions****ES TUNABLE** NEW**TUNABLE ANTENNA FOR EMERGENCY FREQUENCIES**

P/N: 7771010	VHF / UHF / TETRA		
Connector	Not mounted		
Cable Type	RG 58		
Cable Length	5000 mm		
Impedance	50 Ω		
Gain	2 dBi		
VSWR	< 1,5:1		
Max Power	100 Watt		
Rod Length	655 mm	Mounting	On roof / Pillar / Fender
Rod Type	Stainless Steel	Coachwork drilling	Round: 19 mm
Note	Omnidirectional 1/4 lambda type - Tunable rod		

**Dimensions****ES 70/80 MHZ****70/80 MHZ**

P/N: 7640006	70/80 MHZ		
Connector	TNC F		
Cable Type	Without extension cable*		
Impedance	50 Ohm		
Gain	2 dBi		
VSWR	< 1,5:1		
Max Power	100 Watt		
Rod Length	950 mm	Mounting	On roof / Pillar / Fender
Rod Type	Fiberglass	Coachwork drilling	Round: 19 mm
Note	* P/N 7583040: optional extension cable (type: RG 58 - Length: 5000 mm - Connectors: TNC Male 90°) Extension cable with different length or connectors available on request		

**Dimensions**

16V TRIPLEX**ROOF ANTENNA**

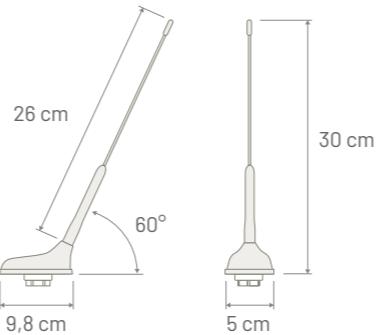
AVAILABLE VERSIONS				
	VHF	UHF	GSM/DCS	GNSS
P/N: 7771004 - TRIPLEX UHF		•	•	•
P/N: 7771005 - TRIPLEX VHF	•		•	•

TECHNICAL SPECIFICATION				
	VHF	UHF	GSM/DCS	GNSS
Antenna connector	FAKRA Male Green	FAKRA Male Green	FAKRA Male Bordeaux	FAKRA Male Blue
Antenna cable type	RG 174	RG 174	RG 174	RG 174
Antenna cable lenght	200 mm	200 mm	200 mm	220 mm
Extension cable type	RG 58	RG 58	RG 58	RG 174
Extension cable lenght	5000 mm	5000 mm	5000 mm	5000 mm
Extension cable connectors	FAKRA Female Green - FME Female	FAKRA Female Green - FME Female	FAKRA Female Bordeaux - FME Female	FAKRA Female Blue - SMB Female
Power supply	--	--	--	3 - 5 Volt
Consumption	--	--	--	45 mA max
Impedance	50 Ω	50 Ω	50 Ω	50 Ω
Gain	0 dBi	-1 dBi	Peak: 3 dBi / Average: -3 dBi	30 dBi
VSWR	1.5:1	2:1	3:1	1.5:1
Max Power	20 Watt	10 Watt	4 Watt	--
Rod Combined Function	VHF/GSM/DCS	UHF/GSM/DCS	--	--
Rod Lenght	380 mm	260 mm	--	--
Rod Type	Antinoise	Smooth	--	--
Rod Thread	M6	Mounting	On roof	
Base Angle	60 degree	Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm	
Protection Class	IP64	Note		

P/N 7771004 - Triplex UHF



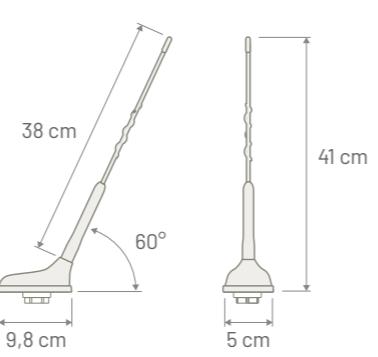
Dimensions



P/N 7771005 - Triplex VHF



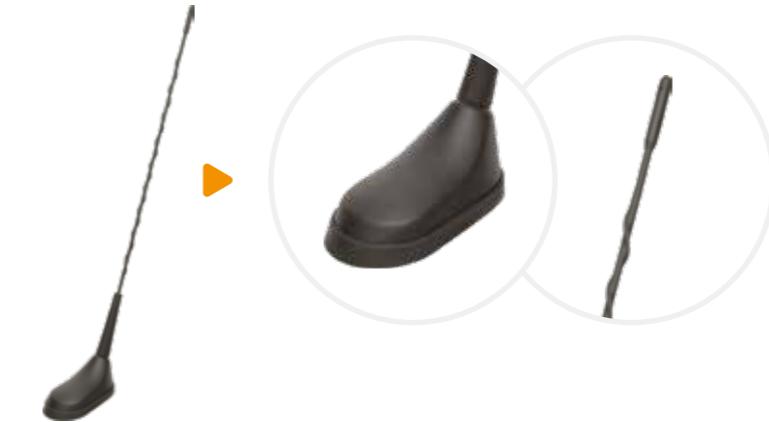
Dimensions

**16V COMBI****ROOF ANTENNA**

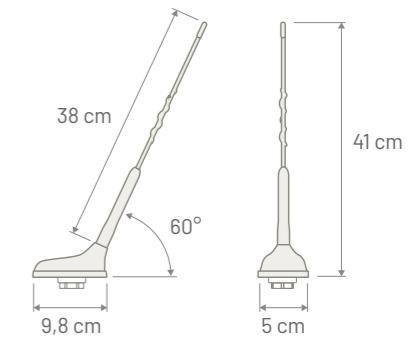
AVAILABLE VERSIONS		
VHF	UHF	GNSS
P/N: 7771000 - COMBI VHF	•	•
P/N: 7771001 - COMBI UHF		•

TECHNICAL SPECIFICATION		
	VHF	UHF
Antenna connector	FAKRA Male Green	FAKRA Male Green
Antenna cable type	RG 174	RG 174
Antenna cable lenght	250 mm	200 mm
Extension cable type	RG 58	RG 58
Extension cable lenght	5000 mm	5000 mm
Extension cable connectors	FAKRA Female Green - FME Female	FAKRA Female Green - FME Female
Power supply	--	--
Consumption	--	--
Impedance	50 Ω	50 Ω
Gain	-1 dBi	0 dBi
VSWR	1,5:1	2,1:1
Max Power	20 Watt	20 Watt
Rod Lenght	380 mm	265 mm
Rod Type	Antinoise	Smooth
Rod Thread	M6	Mounting
Base Angle	60 degree	Coachwork drilling
Protection Class	IP64	Note

P/N 7771000 - Combi VHF



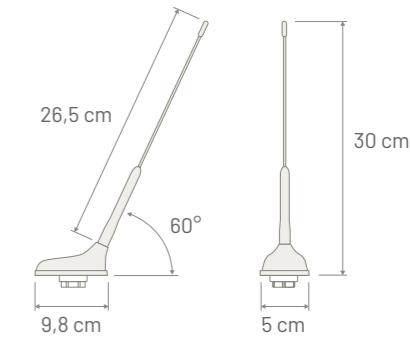
Dimensions



P/N 7771001 - Combi UHF



Dimensions



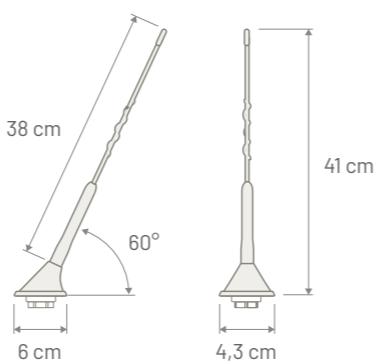
16V MONO

		ROOF ANTENNA	
AVAILABLE VERSIONS			
VHF		UHF	
P/N: 7771002 - VHF		•	
P/N: 7771003 - UHF		•	
TECHNICAL SPECIFICATION			
VHF		UHF	
Antenna connector		FAKRA Male Green	
Antenna cable type		RG 174	
Antenna cable lenght		200 mm	
Extension cable type		RG 58	
Extension cable lenght		5000 mm	
Extension cable connectors		FAKRA Female Green - FME Female	
Impedance		50 Ω	
Gain		-1 dBi	
VSWR		1,5:1	
Max Power		20 Watt	
Rod Length		380 mm	
Rod Type		Antinoise	
Rod Thread		M6	
Base Angle		60 degree	
Protection Class		IP64	
Mounting		Note	

P/N 7771002 - VHF



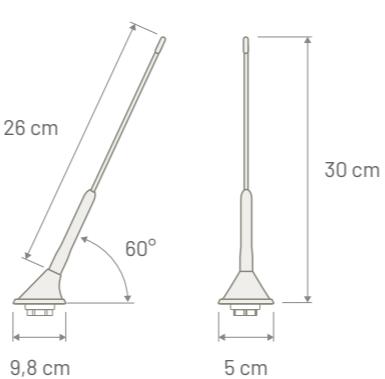
Dimensions



P/N 7771003 - UHF

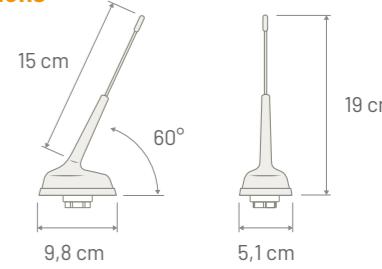


Dimensions

**TRIPLEX SHORT**

P/N: 7771040	TETRA	WIFI / BLUETOOTH	GNSS
Connector	FAKRA Male Green	FAKRA Male Violet	FAKRA Male Blue
Cable Type	RG 174	RG 174	RG 174
Cable Length	200 mm	200 mm	250 mm
Power Supply	--	--	3 - 5 Volt Phantom
Consumption	--	--	45 mA max
Impedance	50 Ω	50 Ω	50 Ω
Gain	1 dBi	0 dBi	30 dBi
VSWR	2:1	2:1	1,5:1
Max power	20 Watt	4 Watt	--
Rod Length	150 mm	Base Angle	60 degree
Rod Type	Smooth	Protection Class	IP69K
Rod Thread	M5	Mounting	Square: 15 x 15 mm - Round: 19 mm
Note			

Dimensions

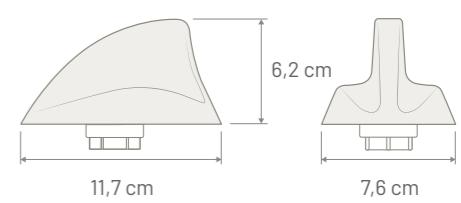
**Shark 2****SHARK 2 TETRA**

NEW P/N: 7771015

TETRA	
Connector	FAKRA Male Green
Cable Type	RG 174
Cable Length	250 mm
Impedance	50 Ω
Gain	-8 dBi
VSWR	2:1 @ 380 - 400 MHz - 2.5:1 @ 400 - 410 MHz
Max Power	10 Watt
Protection Class	IP68
Mounting	On roof mounting
Coachwork drilling	Square: 15 x 15 mm - Round: 19 mm
Note	



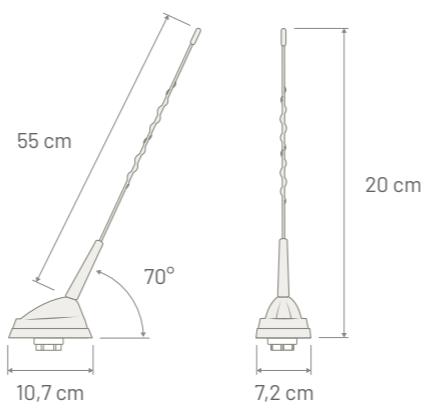
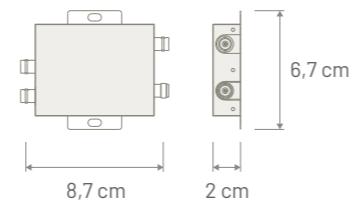
Dimensions



RSA QUAD

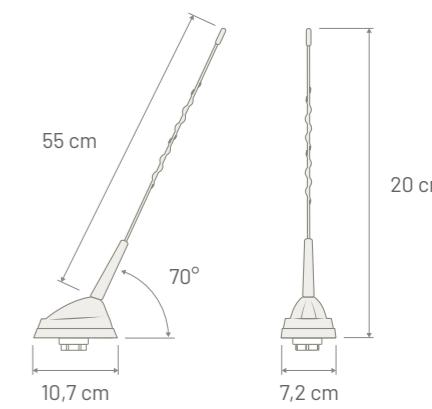
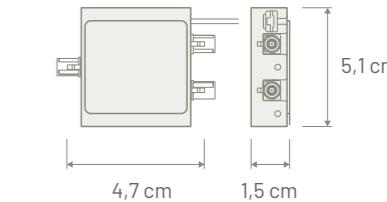
P/N: 7771020	TETRA	70/80 MHZ	AM/FM	GNSS
Connector (Base antenna)	FAKRA Male Green	--	--	FAKRA Male BLUE
Cable Type (Base antenna)	RG 174	--	--	RG 174
Cable Length (Base antenna)	200 mm	--	--	220 mm
Connector (Multiplexer)	IN: TNC Female OUT: BNC FEMALE	BNC Female	BNC Female	--
Power supply	--	--	Multiplexer: 12 Volt Phantom	3 - 5 Volt Phantom
Consumption	--	--	Multiplexer: 35 mA max	45 mA max
Impedance	50Ω	50Ω	AM: High Impedance - FM: 50 Ω	50 Ω
Gain	0 dBi	-5 dBi	FM: -10 dBi	28 dBi
VSWR	2:1	2,5:1	--	1,7:1
Max Power	10 Watt	15 Watt	--	--
Rod Length	550 mm	Protection Class	Antenna: IP69K - Multiplexer: IP42	
Rod Type	Antinoise	Mounting	Antenna: on roof - Multiplexer: inside the vehicle	
Rod Thread	M5	Coachwork drilling	Square: 15x15 mm - Round: 19 mm	
Base Angle	70 degree			

Note Extension cable included on the package to connect TETRA output on the antenna base to the Multiplexer
Connectors: FAKRA Female Green and TNC Male - Type: RG 58 - Length: 3000 mm

Dimensions**Dimensions****RSA TRIPLEX**

P/N: 7771025	TETRA	AM/FM	GNSS
Connector (Base antenna)	FAKRA Male Green	--	FAKRA Male Blue
Cable Type (Base antenna)	RG 174	--	RG 174
Cable Length (Base antenna)	200 mm	--	220 mm
Connector (Diplexer)	IN: FAKRA Male Black OUT: FAKRA Male Green	FAKRA Male White	--
Power supply	--	Diplexer: 12 Volt Dedicated	3 - 5 Volt Phantom
Consumption	--	Diplexer: 35 mA max	45 mA max
Impedance	50 Ω	AM: High Impedance - FM: 50 Ω	50 Ω
Gain	0 dBi	FM: -10 dBi	32 dBi
VSWR	2:1	--	2:1
Max Power	10 Watt	--	--
Rod Length	550 mm	Protection Class	Antenna: IP69K - Diplexer: IP42
Rod Type	Antinoise	Mounting	Antenna: on roof - Multiplexer: inside the vehicle
Rod Thread	M5	Coachwork drilling	Square: 15x15 mm - Round: 19 mm
Base Angle	70 degree		

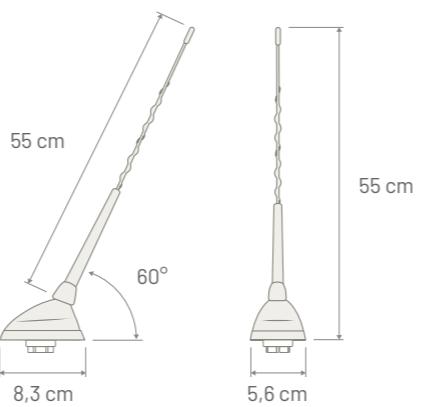
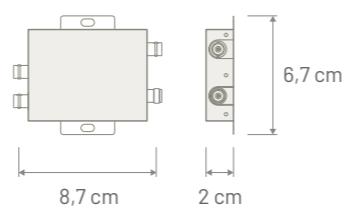
Note Adapter cable included on the package to connect TETRA output on the antenna base to the Diplexer
Connectors: FAKRA Female Green and FAKRA Female Black - Type: RG 174 - Length: 150 mm

Dimensions**Dimensions**

MIB QUAD

P/N: 7771030	TETRA	70/80 MHZ	AM/FM	GNSS
Connector (Base antenna)	FAKRA Male Green	--	--	FAKRA Male Blue
Connector (Multiplexer)	IN: TNC Female OUT: BNC Female	BNC Female	BNC Female	--
Power supply	--	--	Multiplexer: 12 Volt Phantom	4.5 - 5.5 Volt Phantom
Consumption	--	--	Multiplexer: 35 mA max	20mA max
Impedance	50 Ω	50 Ω	AM: High Impedance - FM: 50 Ω	50 Ω
Gain	0 dBi	-5 dBi	FM: -10 dBi	32 dBi
VSWR	2:1	2,5:1	--	2:1
Max Power	10 Watt	15 Watt	--	--
Rod Length		545 mm		
Rod Type		Antinoise		
Rod Thread		M5		
Base Angle		60 degree		
Protection Class		Antenna : IP69K - Multiplexer: IP42		
Mounting		Antenna: on roof - Multiplexer: inside the vehicle		
Coachwork drilling		Square: 31,6 x 33,6 mm (VW Group MIB on roof hole)		

Note
Extension cable included on the package to connect TETRA output on the antenna base to the Multiplexer
Connectors: FAKRA Female Green and TNC Male - Type: RG 58 - Length: 3000 mm

**Dimensions****Dimensions****NOTES**

BUILDINGS

ARRAY	56
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Calearo offers a range of highly professional antennas with WI-FI, GSM, UMTS, LTE and Bluetooth bands for professional application like base station, industrial automation, remote control and M2M communications.



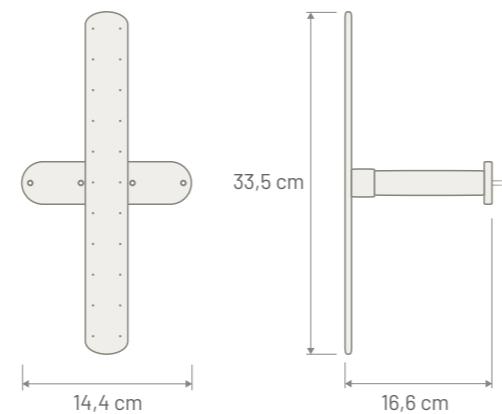
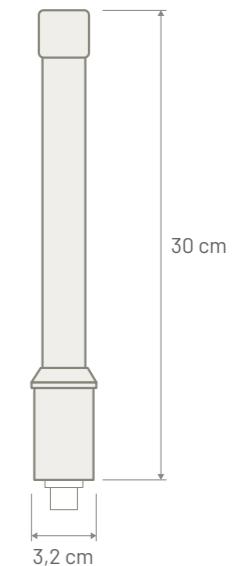
ARRAY FULL ^{LTE}**OMNIDIRECTIONAL ANTENNA****AVAILABLE VERSIONS**

	CONNECTOR	CABLE LENGTH	CABLE TYPE
P/N: 8610138	SMA Male	5000 mm	Low Loss
P/N: 8610139	FME Female	5000 mm	Low Loss
P/N: 8610141	SMA Male	10000 mm	Low Loss
P/N: 8610142	SMA Male	12000 mm	Low Loss

TECHNICAL SPECIFICATION

	GSM - LTE	DCS	UMTS	WIFI - LTE
Frequency	790 ÷ 960 MHz	1710 ÷ 1880 MHz	1920 ÷ 2170 MHz	2400 ÷ 2700 MHz
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Gain	5 dBi	5 dBi	6 dBi	5 dBi
VSWR	< 2.5	< 2.0	< 2.0	< 2.0
Max Power	20 Watt	10 Watt	10 Watt	6 Watt
Protection Class	IP54			
Mounting	On mast with special bracket (included) / On wall with two screws (not included)			

Note The special bracket is compatible with mast diameter between 25 to 42 mm

**Dimensions****Dimensions****Mounting scheme****FIBERGLASS FULL ^{LTE}****OMNIDIRECTIONAL ANTENNA****AVAILABLE VERSIONS**

	CONNECTOR	CABLE LENGTH	CABLE TYPE
P/N: 8610155	N Female	without extension cable	without extension cable
P/N: 8610156	SMA Male	5000 mm	Low Loss

TECHNICAL SPECIFICATION

	LTE - ISM - GSM	DCS - PCN - DECT - UMTS - WIFI
Frequency	790 ÷ 960 MHz	1710 ÷ 2700 MHz
Impedance	50 Ohm	50 Ohm
Gain	2 dBi	4 dBi
VSWR	< 2.2	< 2.2
Max Power	25 Watt	25 Watt
Protection Class	IP54	
Mounting	On mast / On wall with special steel bracket (included)	

Note The special bracket is compatible with mast diameter between 35 to 42 mm

COMPACT FULL LTE**DIRECTIONAL ANTENNA**

AVAILABLE VERSIONS

CONNECTOR	CABLE LENGTH	CABLE TYPE
P/N: 8610144 SMA Male	5000 mm	Low Loss
P/N: 8610145 FME Female	5000 mm	Low Loss

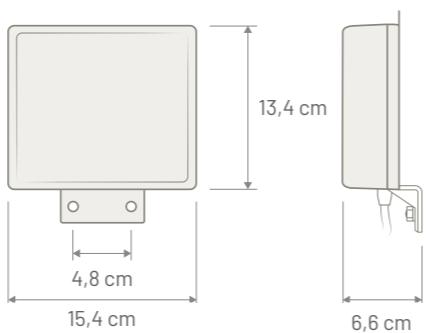
TECHNICAL SPECIFICATION

	LTE - GSM	DCS	UMTS	LTE - WIFI
Frequency	790 ÷ 960 MHz	1710 ÷ 1880 MHz	1920 ÷ 2170 MHz	2300 - 2700 MHz
Impedance	50 Ohm	50 Ohm	50 Ohm	50 Ohm
Gain	6,5 dBi ± 0,5 dBi	9 dBi	9 dBi	8,5 dBi ± 0,5 dBi
VSWR	< 2.0	< 2.0	< 2.0	< 2.0
Max Power	30 Watt	15 Watt	10 Watt	10 Watt
Protection Class	IP54			
Mounting	On mast / On wall			

Note



Dimensions

**MONOPOLE EVOLUTION TRIBAND**

AVAILABLE VERSIONS

CONNECTOR
P/N: 8610103 SMA Male 90°
P/N: 8610118 FME Female

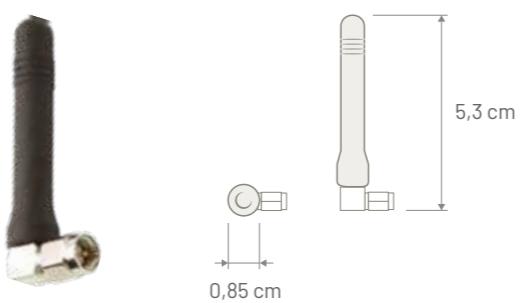
TECHNICAL SPECIFICATION

	GSM - DCS/UMTS - WIFI/BLUETOOTH
Impedance	50 Ohm
Gain	2.2 dBi
VSWR	< 2:1
Max Power	2.5 Watt
Mounting	Directly to the modem antenna connector or the extension cable

Note

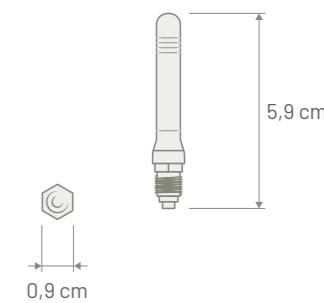
P/N 8610103

Dimensions



P/N 8610118

Dimensions

**MONPOLE DUAL BAND**

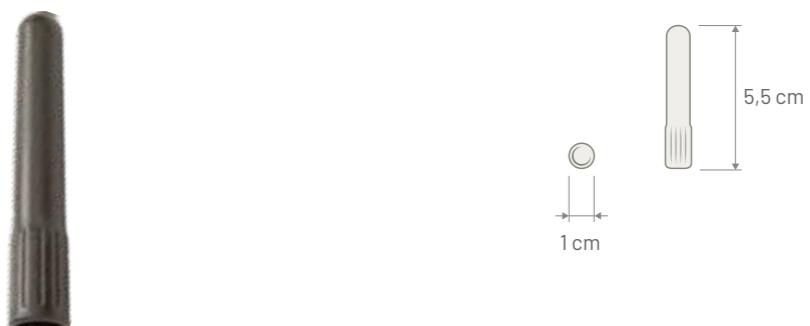
P/N: 8610010

GSM / DCS

Connector type	SMA Male
Impedance	50 Ohm
Gain	2.15 dBi
VSWR	≤ 2:1
Max Power	4 watt
Mounting	Directly to the modem antenna connector or the extension cable

Note

Dimensions



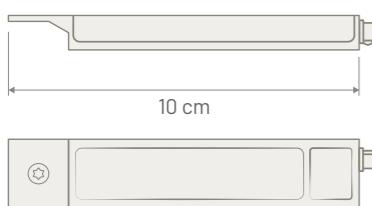
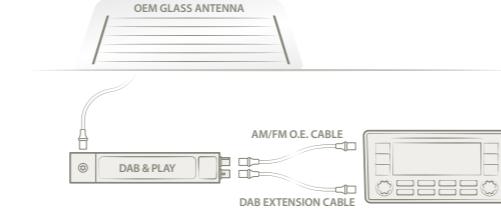
SERVICE BOX

DAB & PLAY	62
SPLITTER	64
LOCATIONING	66
RADIO	67

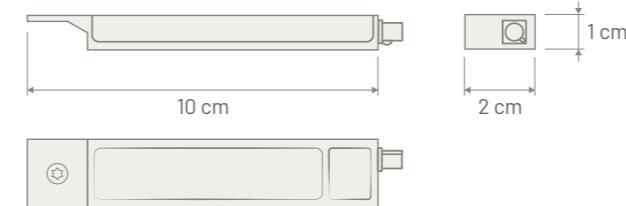
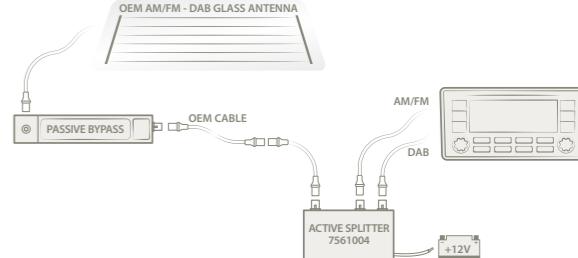
*The Service Box range allow to manage the antenna signals
for split, amplified or recover some specific functions.
They works with Calearo antennas and with some OEM antennas.*

DAB & PLAY ACTIVE**AMPLIFIER**

AVAILABLE VERSIONS	
MAIN APPLICATION	
P/N: 7590007 - AMPLIFIER	
Seat Leon (5F) - Skoda Fabia (NJ) and Octavia (5E) - Volkswagen Golf 6, Golf 7, Tiguan (5N) and Touran (5T)	
P/N: 7590009 - AMPLIFIER	
Volkswagen Passat (B7) and Passat (B8)	
TECHNICAL SPECIFICATION	
FM / DAB	
Short description	Replace the original FM amplifier to add DAB antenna prepared on the original rear or side glass
Connector	DOUBLE FAKRA Male Black
Extension Cable Connectors	DOUBLE FAKRA Female Black and SMB Female
Extension Cable Type	RG 174
Extension Cable Length	6500 mm
Power Supply	8,5 ÷ 12 Volt Phantom
Consumption	50 mA max
Impedance	50 Ohm
Gain	FM: 6 dB / DAB: 19 dB
VSWR	< 2:1
Protection Class	IP52
Mounting	Replace the original amplifier
Note	DAB&PLAY amplifier work in selected Volkswagen, Seat and Skoda vehicles with prepared DAB antenna into the original glass

**Dimensions****Mounting scheme****DAB & PLAY PASSIVE**

AVAILABLE VERSIONS	
MAIN APPLICATION	
P/N: 7590008 - PASSIVE BY-PASS	
Volkswagen, Seat and Skoda vehicles with prepared on glass original DAB antenna	
Note: the by-pass must be completed with Active Splitter P/N 7561004 and adapters cables sold separately	
P/N: 7590013 - PASSIVE BY-PASS KIT	
Volkswagen Golf 6 and 7	
Note: by-pass is complete with the Active Splitter P/N 7561004 and a special cables kit for Volkswagen head unit	
TECHNICAL SPECIFICATION	
FM / DAB	
Short description	Replace the original FM amplifier to add DAB antenna prepared on the original rear or side glass
Connector	FAKRA Male Waterblue
Impedance	50 Ohm
Protection Class	IP52
Mounting	Replace the original amplifier
Note	The P/N 7590008 is suitable only for a head unit with hybrid tuner (FM and DAB with only one antenna connector), or combined with Active Splitter and cables kit The P/N 7590013 is suitable for any application with original VW head unit or aftermarket head unit with Fakra connectors DAB&PLAY passive by-pass work only in Volkswagen vehicle with prepared DAB antenna into the original glass. Contact your car dealer to check if glass is prepared

**Dimensions****Mounting scheme**

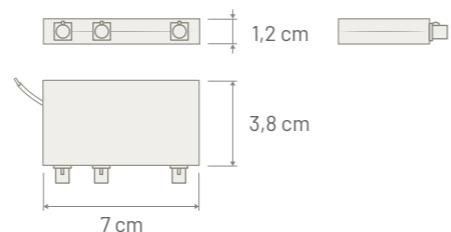
ACTIVE SPLITTER AM / FM / DAB**SPLITTER**

AVAILABLE VERSIONS	
ADAPTER CABLES	
P/N: 7561004 - ACTIVE SPLITTER	Without adapter cables into the package
P/N: 7562030 - ACTIVE SPLITTER KIT DIN	Antenna IN: DIN Female / AM/FM OUT: DIN Male / DAB OUT: SMB Female 90° / Length: 500 mm
P/N: 7132087 - ACTIVE SPLITTER KIT DIN/ISO	Antenna IN: ISO Female / AM/FM OUT: DIN Male / DAB OUT: SMB Female 90° / Length: 500 mm

TECHNICAL SPECIFICATION**AM / FM / DAB**

Short description	AM/FM/DAB Splitter allow to recover the DAB signals from an AM/FM passive antenna ready for digital radio
Active Splitter Connectors	FAKRA Male Waterblue for IN and OUT
Power Supply	12 Volt dedicated
Consumption	110 mA
Impedance	50 Ohm
Gain	AM: 25 dB / FM: 12 dB / DAB: 20 dB
VSWR	FM: 3 : 1 / DAB: 2.5 : 1
Protection Class	IP40
Mounting	Internal of the vehicle with double-sided tape or plastic ties

Note
The AM/FM/DAB Active Splitter work only with AM/FM passive antennas prepared to receive the DAB signals
The AM/FM/DAB Active Splitter is not suitable for active antenna systems

**Dimensions****CABLE FOR ACTIVE AND PASSIVE SPLITTER AM / FM / DAB****AVAILABLE VERSIONS**

SPLITTER CONNECTOR SIDE	CABLE TYPE	CABLE LENGTH	ANTENNA / TUNER CONNECTOR SIDE
P/N: 7132078	FAKRA Female Waterblue	RG 174	500 mm ISO Female
P/N: 7132079	FAKRA Female Waterblue	RG 58	500 mm DIN Male
P/N: 7132080	FAKRA Female Waterblue	RG 174	500 mm ISO Male
P/N: 7132081	FAKRA Female Waterblue	RG 174	500 mm FAKRA Male Waterblue

Note Adapter cables could be used for any other applications

PASSIVE SPLITTER AM / FM / DAB

NEW

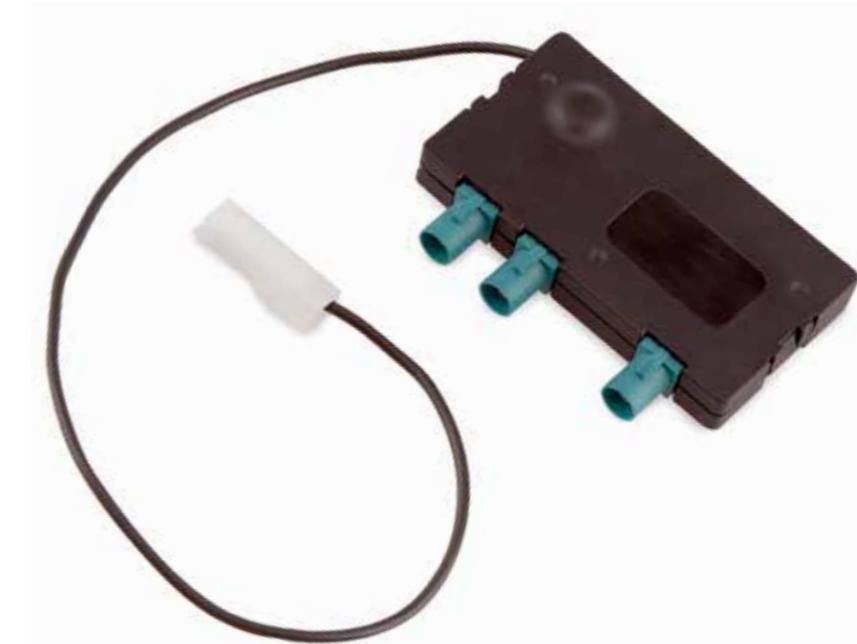
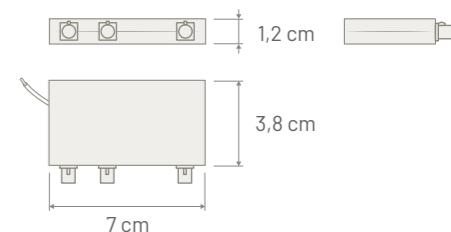
SPLITTER

AVAILABLE VERSIONS	
ADAPTER CABLES	
P/N: 7561006 - PASSIVE SPLITTER	Without adapter cables into the package
P/N: 7561007 - PASSIVE SPLITTER KIT DIN	Antenna IN: DIN Female / AM/FM OUT : DIN Male / DAB: SMB Female 90°
P/N: 7561008 - PASSIVE SPLITTER KIT DIN/ISO	Antenna IN: ISO Female / AM/FM OUT : DIN Male / DAB: SMB Female 90°

TECHNICAL SPECIFICATION**AM / FM / DAB**

Short description	AM/FM/DAB Passive Splitter allow to recover the DAB signals from an AM/FM active or passive antenna ready for digital radio
Active Splitter Connectors	FAKRA Male Waterblue for IN and OUT
Power Supply	--
Consumption	--
Impedance	50 Ohm
Gain	-2 dB
VSWR	FM: 2 : 1 / DAB: 2 : 1
Protection Class	IP40
Mounting	Internal of the vehicle with adhesive tape or plastic cable tie

Note
The AM/FM/DAB Passive Splitter work only with AM/FM active or passive antennas ready to receive the DAB signals
The AM/FM/DAB Passive Splitter is suitable for active antenna with 12 Volt phantom supply

Dimensions**AVAILABLE VERSIONS**

SPLITTER CONNECTOR SIDE	CABLE TYPE	CABLE LENGTH	ANTENNA / TUNER CONNECTOR SIDE
P/N: 7132082	FAKRA Female Waterblue	RG 174	500 mm SMB Female 90°
P/N: 7132083	FAKRA Female Waterblue	RG 174	500 mm SMA Male
P/N: 7132084	FAKRA Female Waterblue	RG 174	500 mm FAKRA Female Waterblue
P/N: 7132085	FAKRA Female Waterblue	RG 58	500 mm DIN Female

Note Adapter cables could be used for any other applications

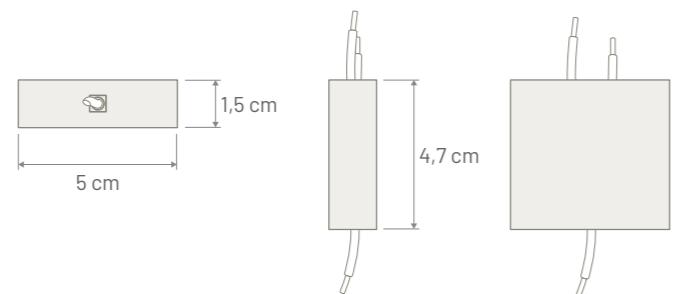
GNSS SPLITTER**SPLITTER**

P/N: 7562019

GNSS Splitter allow to connect two different devices to a same GNSS antenna

MAIN APPLICATION	
TECHNICAL SPECIFICATION	
GNSS Antenna side : Connector	FAKRA Male Blue
GNSS Antenna side : Cable Length	150 mm
GNSS Antenna side : Cable Type	RG 174
Device side : Connector	FAKRA Female Blue
Device side : Cable Length	480 mm
Device side : Cable Type	RG 174
Power Supply	3 - 5 Volt Phantom
Consumption	45 mA max
Impedance	50 Ω
Gain	-4,5 dB
VSWR	2:1
Protection Class	IP 42
Mounting	Internal / Adhesive

Note

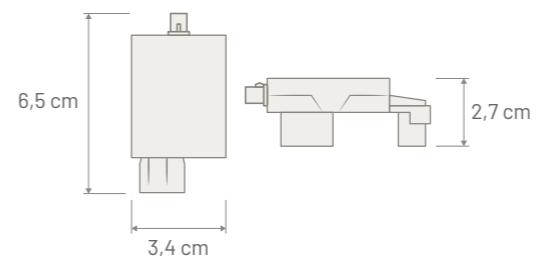
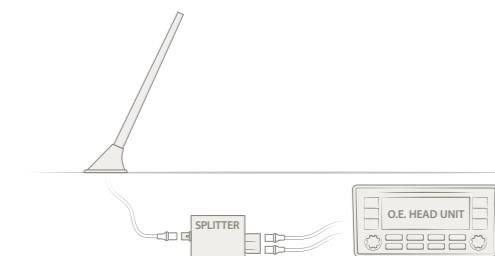
**Dimensions****DIVERSITY ADAPTER****ADAPTER**

P/N: 7562016

Volkswagen Group vehicles without diversity system

MAIN APPLICATION	
TECHNICAL SPECIFICATION	
Short description	Radio Diversity adapter allow to install an original VW radio with diversity system in a vehicle with standard antenna
Connector Original Antenna Side	FAKRA Male White
Connector VW Radio Side	DOUBLE FAKRA Female White
Power Supply	12 Volt phantom
Consumption	15 mA max
Gain	0 dB
Mounting	Rear of original VW radio - adhesive mounting

Note

**Dimensions****Mounting scheme**

ADAPTERS & CABLES

ADAPTERS	70
EXTENSION CABLES	73
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FAKRA/SMA EXTENSION CABLES FOR WIFI

	ANTENNA SIDE	CABLE TYPE	CABLE LENGTH	DEVICE SIDE
P/N: 7581170	FAKRA Female Violet	RG 58 LOW LOSS	3 meters	SMA Male
P/N: 7581171	FAKRA Female Violet	RG 58 LOW LOSS	5 meters	SMA Male
P/N: 7581172	FAKRA Female Violet	RG 58 LOW LOSS	7 meters	SMA Male
Note	RG58 LOW LOSS special cables for high frequencies			

DIN EXTENSION CABLES FOR AM/FM

	CABLE SIDE	CABLE TYPE	CABLE LENGTH	DEVICE SIDE
P/N: 7581020	DIN Female	AR7	0,5 meter	DIN Male
P/N: 7581023	DIN Female	AR7	1 meter	DIN Male
P/N: 7581029	DIN Female	AR7	3 meters	DIN Male
P/N: 7581034	DIN Female	AR7	4,5 meters	DIN Male
Note				

SMB EXTENSION CABLES

	CABLE SIDE	CABLE TYPE	CABLE LENGTH	DEVICE SIDE
P/N: 7581094	SMB Female	RG174	1 meter	SMB Male
P/N: 7581095	SMB Female	RG174	3 meters	SMB Male
P/N: 7581096	SMB Female	RG174	5 meters	SMB Male

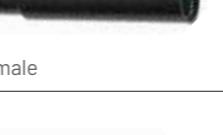
	ANTENNA/CABLE SIDE	CABLE TYPE	CABLE LENGTH	DEVICE SIDE
P/N: 7581046	FME Female	RG58	1,5 meters	FME Female
P/N: 7581045	FME Female	RG58	5 meters	FME Female
P/N: 8510031	FME Male	LOW LOSS	5 meters	FME Female

	ANTENNA/CABLE SIDE	CABLE TYPE	CABLE LENGTH	DEVICE SIDE
P/N: 8510015	N Male	LOW LOSS	2 meters	SMA Male
P/N: 8510009	N Male	LOW LOSS	5 meters	SMA Male

	ANTENNA/CABLE SIDE	CABLE TYPE	CABLE LENGTH	DEVICE SIDE
P/N: 8510015	N Male	LOW LOSS	2 meters	SMA Male
P/N: 8510009	N Male	LOW LOSS	5 meters	SMA Male

	ANTENNA/CABLE SIDE	CABLE TYPE	CABLE LENGTH	DEVICE SIDE
P/N: 7131047	SMA Female	LOW LOSS	5 meters	SMA Male - REVERSE POLARITY
P/N: 8510004	SMA Female	LOW LOSS	2 meters	SMA Male
P/N: 8510050	SMA Female	LOW LOSS	4 meters	SMA Male
P/N: 8510029	SMA Female	LOW LOSS	5 meters	SMA Male
P/N: 8510051	SMA Female	LOW LOSS	8 meters	SMA Male
P/N: 8510064	SMA Female	LOW LOSS	10 meters	SMA Male
P/N: 8510012	SMA Female	LOW LOSS	25 meters	SMA Male

	ANTENNA/CABLE SIDE	CABLE TYPE	CABLE LENGTH	DEVICE SIDE
P/N: 8510015	N Male	LOW LOSS	2 meters	SMA Male
P/N: 8510009	N Male	LOW LOSS	5 meters	SMA Male

FAKRA	COLOUR	CODE KEY	TYPICAL APPLICATION
	Black	A	AM/FM - DAB
	White	B	AM/FM
	Blue	C	GPS - GNSS
	Bordeaux	D	GSM/UMTS/LTE
	Green	E	TV - UHF - VHF
	Brown	F	DAB (NISSAN/RENAULT)
	Grey	G	DAB (FCA)
	Violet	H	WIFI
	Waterblue	Z	UNIVERSAL
BP 			
GT 			
ISO 			
SMA 			
DIN 			
JACK 			
MCX 			
SMB 			
F 			
HC 			
MMCX 			
N 			
HC97 			
FME 			
HC97 			
OPEL 			
IEC 			
ROKA 			

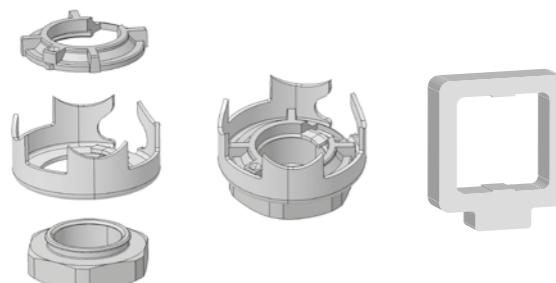
ACCESSORIES & SPARE PARTS

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ROD FOR MULTIFUNCTIONAL ANTENNAS ...	80
ROD FOR CRITICAL ANTENNAS	81
ROD FOR GSM ANTENNAS	81

HOLE ADAPTER

P/N: 7131050

FCA 2012 >



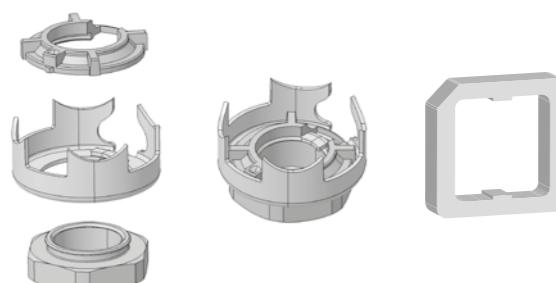
Note Only for SHARK 2 antennas

HOLE ADAPTER

FOR SHARK 2 ONLY

P/N: 7131052

OPEL 2009 >



Note Only for SHARK 2 antennas

HOLE COVER CAP

P/N: 7130005

UNIVERSAL



Note Hole cover cap diameter: 3 cm

Housing Fakra**FAKRA HOUSING KIT NEW**

P/N: 7131055

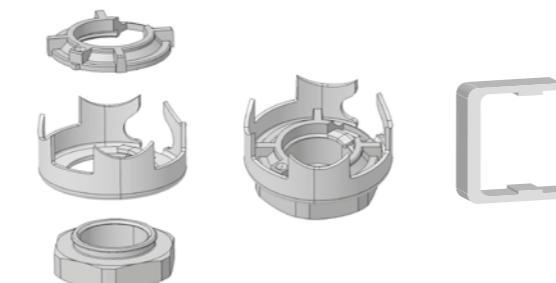
WATERBLUE HOUSING FOR FAKRA MALE CONNECTOR

Note Kit contains 5 housing
Allow to replace any FAKRA Male housing with the universal type**HOLE ADAPTER**

FOR SHARK 2 ONLY

P/N: 7131051

FORD 2011 >



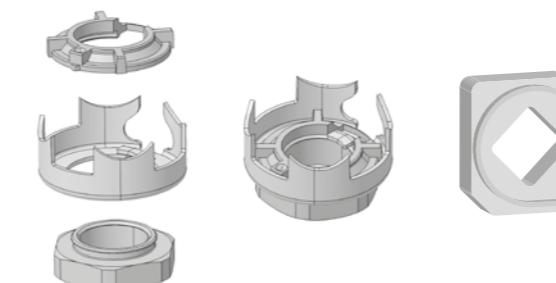
Note Only for SHARK 2 antennas

HOLE ADAPTER

FOR SHARK 2 ONLY

P/N: 7131053

VOLKSWAGEN MIB PLATFORM 2012 >



Note Only for SHARK 2 antennas

16V TYPE

P/N: 7551019

AM/FM

Type	16V	Thread	M5
Lenght	410 mm		

**16V TYPE**

P/N: 7551039

AM/FM

Type	16V	Thread	M5
Lenght	300 mm		



Note Antinoise Coil

FIBERGLASS

P/N: 7552012

AM/FM

Type	FIBERGLASS	Thread	M6
Lenght	400 mm		

**RUBBER**

P/N: 7550028

AM/FM

Type	RUBBER	Thread	M6
Lenght	360 mm		

**16V TYPE**

P/N: 7551037

AM/FM

Type	16V	Thread	M5
Lenght	410 mm		



Note Antinoise Coil

16V TYPE

P/N: 7551033

DAB

Type	16V	Thread	M6
Lenght	410 mm		



Note Antinoise Coil

FIBERGLASS

P/N: 7552017

AM/FM

Type	FIBERGLASS	Thread	M6
Lenght	840 mm		



16V TYPE

P/N: 7551027	AM/FM - GSM		
Type	16V	Thread	M6
Lenght	410 mm		



Note Antinoise Coil

16V TYPE

P/N: 7552090	AM/FM - DAB		
Type	16V Short	Thread	M5
Lenght	200 mm		



Note Smooth

FLEXI

P/N: 7551046	AM/FM - DAB		
Type	Flexi	Thread	M6
Lenght	220 mm		



Note Heavy duty and high flexible

FIBERGLASS

P/N: 7551045	AM/FM - DAB		
Type	Fiberglass	Thread	M6 Female
Lenght	400 mm		



Note Package include two adapters to change the M6 Female head to M5 male or to M6 male

16V TYPE

P/N: 7551041	UHF		
Type	16V	Thread	M6
Lenght	260 mm		

**16V TYPE**

P/N: 7551042	VHF		
Type	16V	Thread	M6
Lenght	380 mm		



Note Tunable

Rod for GSM Antennas**FIXED**

P/N: 7551028	GSM		
Type	OMNIDIRECTIONAL	Thread	M6
Lenght	50 mm		

**FIXED**

P/N: 7551029	GSM		
Type	OMNIDIRECTIONAL	Thread	M5
Lenght	60 mm		



AUDIO & VIDEO

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Calearo's line of car radio, speakers and adapters is able to create the perfect kit for any kind of vehicle, from private city cars to vehicles designed to withstand the harsh environment. This product range includes dust and spray proof radios paired with technologies such as DAB-DAB+ reception and Bluetooth.



ES 6180 BT

P/N: 7137567 EEPROM • BLUETOOTH • MECHLESS

Tuner	AM/FM RDS World Tuner	Front Panel	Detachable
Audio Source	USB - SD CARD - A2DP - AUX IN	Audio power	4 x 40 Watt max
Bluetooth	Hands Free (HFP) - Audio Streaming (A2DP)	Power supply	12 Volt
Media	MP3 - WMA	Main connector	ISO built in
Display	LCD with WHITE segments	Antenna Connector	DIN Female built in
Key & Knob	RED color light	Dimension	1 DIN standard Short body

Note

**ES 6180 DAB**

P/N: 7137574 EEPROM • DAB TUNER • BLUETOOTH • MECHLESS

Tuner	AM/FM RDS World Tuner - DAB Tuner	Front Panel	Detachable
Audio Source	USB - MICRO SD - A2DP - AUX IN	Audio power	4 x 40 Watt max
Bluetooth	Hands Free (HFP) - Audio Streaming (A2DP/AVRCP)	Power supply	12 Volt
Media	MP3 - WMA - FLAC	Main connector	ISO built in
Display	DOT Matrix WHITE	Antenna Connector	AM/FM: DIN Female - DAB: SMB Male
Key & Knob	RED color light	Dimension	1 DIN standard Short body

Note

**1 DIN CAR RADIO****ES 6290 DAB**

P/N: 7137577 IP54 PROTECTION GRADE • EEPROM • DAB TUNER • BLUETOOTH • MECHLESS

Tuner	AM/FM RDS World Tuner - DAB Tuner	Front Panel	Fixed panel
Audio Source	USB - AUX IN	Audio power	4 x 40 Watt max
Bluetooth	Hands Free (HFP) - Audio Streaming (A2DP/AVRCP)	Power supply	12 Volt
Media	MP3 - WMA	Main connector	ISO built in
Display	LCD with WHITE illumination and BLACK segments	Antenna Connector	AM/FM: DIN Female - DAB: SMB Male
Key & Knob	RED color light	Dimension	1 DIN standard Short body

Note Dust & Spray resistant with IP54 protection grade for heavy duty installation

**1 DIN CAR RADIO****DP 6400 DAB** NEW

P/N: 7137594 IP54 PROTECTION GRADE • 12V AND 24V POWER SUPPLY • EEPROM • DAB TUNER • BLUETOOTH • MECHLESS

Tuner	AM/FM RDS World Tuner - DAB Tuner	Front Panel	Fixed panel
Audio Source	USB - AUX IN	Audio power	4 x 40 Watt max
Bluetooth	Hands Free (HFP) - Audio Streaming (A2DP/AVRCP)	Power supply	12/24 Volt
Media	MP3 - WMA	Main connector	ISO built in
Display	LCD with WHITE illumination and BLACK segments	Antenna Connector	AM/FM: DIN Female - DAB: SMB Male
Key & Knob	RED color light	Dimension	1 DIN standard Short body

Note Dust & Spray resistant with IP54 protection grade for heavy duty installation



EL 87

2 WAY COAXIAL			
Dimension	87 mm	Frequency Resp.	100 ÷ 20000 Hz
Deep	42 mm max	Impedance	4 Ohm
Power	Nominal: 35 watt - Max: 50 watt	Cone	Paper
Efficency	87 dB	Basket	Steel

**EL 100**

2 WAY COAXIAL			
Dimension	100 mm	Frequency Resp.	90 ÷ 16000 Hz
Deep	50 mm max	Impedance	4 Ohm
Power	Nominal: 35 watt - Max: 75 watt	Cone	Paper
Efficency	88 dB	Basket	Steel

**EL 130**

2 WAY COAXIAL			
Dimension	130 mm	Frequency Resp.	80 ÷ 16000 Hz
Deep	46 mm max	Impedance	4 Ohm
Power	Nominal: 40 watt - Max: 80 watt	Cone	Paper
Efficency	90 dB	Basket	Steel

**EL 165**

2 WAY COAXIAL			
Dimension	165 mm	Frequency Resp.	70 ÷ 16000 Hz
Deep	57 mm max	Impedance	4 Ohm
Power	Nominal: 50 watt - Max: 100 watt	Cone	Paper
Efficency	92 dB	Basket	Steel

**EL 4X6**

2 WAY COAXIAL			
Dimension	90 x 150 mm	Frequency Resp.	60 ÷ 20000 Hz
Power	45 mm max	Cone	4 Ohm
Impedance	Nominal: 25 watt - Max: 50 watt	Surround	Paper
Freq. response	91 dB	Basket	Steel

**DC 100**

DUAL CONE			
Dimension	100 mm	Frequency Resp.	80 ÷ 20000 Hz
Deep	50 mm max	Impedance	4 Ohm
Power	Nominal: 15 watt - Max: 30 watt	Cone	Paper
Efficency	90 dB	Basket	Steel

**ML 100**

2 WAY COAXIAL - NEODIMIUM TWEETER			
Dimension	100 mm	Frequency Resp.	90 ÷ 20000 Hz
Power	42 mm max	Impedance	4 Ohm
Impedance	Nominal: 40 watt - Max: 80 watt	Cone	Polycarbonate
Freq. response	91 dB	Basket	Steel

**MON-7012**

LCD-TFT DISPLAY	
P/N: 7137730	7 inches
Display Size	7 inches
Video System	PAL/NTSC automatically selected
Screen Ratio	16:9
Resolution	800 x 480 pixel
Image display	Single
Contrast	500:1
Rear Video Input	3
Front Audio/Video Input	1
Setting Menu	OSM Multilingual
Power Supply	12/24 Volt
Camera Connector type	4 PIN
Dimension (WxHxD)	180x121x23 mm



Note

MON-7012 Q

LCD-TFT DISPLAY • MULTIVISION SYSTEM	
P/N: 7137731	7 inches
Display Size	7 inches
Video System	PAL/NTSC automatically selected
Screen Ratio	16:9
Resolution	800 x 480 pixel
Image display	Single and Multivision support
Contrast	500:1
Rear Video Input	4
Front Audio/Video Input	1
Setting Menu	OSM Multilingual
Power Supply	12/24 Volt
Camera Connector type	4 PIN
Dimension (WxHxD)	180x121x23 mm



Multivision system support up to 4 camera at the same time

MON-7010Q AHD NEW

ANALOGUE HIGH DEFINITION • DISPLAY LCD-TFT • MULTIVISION SYSTEM • DIGITAL VIDEO RECORDING (DVR)	
P/N: 7137780	7 inches
Display Size	7 inches
Video System	PAL/NTSC automatically selected
Screen Ratio	16:9
Resolution	1024 x 600 pixel
Image display	Single and Multivision support
Contrast	800:1
Rear Video Input	4
Front Audio/Video Input	1
Setting Menu	OSM Multilingual
Power Supply	12/24 Volt
Camera Connector type	4 PIN
Dimension (WxHxD)	180x121x24 mm



Multivision system and Digital Video Recording (DVR) works with up to 4 camera at the same time

CAM-103**BASIC COLOR CAMERA**

AVAILABLE VERSIONS

BLACK	WHITE
•	
	•

P/N: 7137735

P/N: 7137748

TECHNICAL SPECIFICATION

ALUMINIUM ALLOY • IP68 PROTECTION GRADE

Sensor type	1/3 CCD Color	Connector	4 PIN
Video System	PAL	Power Supply	12V supplied from the monitor
Resolution	600 TV lines	Shockproof	4G
Minimum illumination	0,5 lux	Weight	400 g
Nigh Vision	18 infrared led lights	Dimension (WxHxD)	77 x 54 x 77 mm
Viewing angle	120 degree	Mounting	U bracket

Note

**CAM-127 AHD**

NEW

AHD CAMERA

P/N: 7137767

ANALOGUE HIGH DEFINITION CAMERA (AHD) • CDS SYSTEM • ALUMINIUM ALLOY • IP69K PROTECTION GRADE

Sensor type	1/3 CMOS	Connector	4 PIN
Video System	PAL	Power Supply	12V supplied from the monitor
Resolution	1280 x 720 max	Shockproof	4G
Minimum illumination	0,1lux	Weight	300 g
Nigh Vision	CDS System	Dimension (WxHxD)	86 X 77 X 75 mm
Viewing angle	140 degree	Mounting	U bracket

Note

CDS System assure a higher quality night vision - Compatible with Calearo MON-7010 Q AHD

**CAM-970**

P/N: 7137738

ALUMINIUM ALLOY CAMERA IN A HIGH RESISTANT PLASTIC BOX • IP68 PROTECTION GRADE

Sensor type	1/4 CCD Color	Connector	4 PIN
Video System	PAL	Power Supply	12V supplied from the monitor
Resolution	600 TV lines	Shockproof	4G
Minimum illumination	0,5 lux	Weight	250 g
Nigh Vision	10 infrared led lights	Dimension (WxHxD)	129 X 59 X 205 mm
Viewing angle	120 degree	Mounting	Screw

Note

Special design for bus, coach, motorhome and industrial vehicles suitable for eliminate blind spot

**CAM-102**

P/N: 7137747

BUILT-IN MOUNTING • ALUMINIUM ALLOY • IP67 PROTECTION GRADE

Sensor type	CMOS	Connector	4 PIN
Video System	PAL	Power Supply	12V supplied from the monitor
Resolution	480 TV lines	Shockproof	4G
Minimum illumination	0,05 lux	Weight	120 g
Nigh Vision	10 infrared led lights	Max mounting deep	62 mm
Viewing angle	120 degree	Hole diameter	26 mm

Note

Suitable for built-in installation



TRAILER EXTENSION CABLE

AVAILABLE VERSIONS	
1 CAMERA ON TRAILER	2 CAMERAS ON TRAILER
P/N: 7137754	•
P/N: 7137755	•

TECHNICAL SPECIFICATION

Compatibility	Calearo Camera systems
Cable Type	Spiral cable - High resistant and flexible
Connections	Heavy duty with secur lock
Note	

P/N 7137754



P/N 7137755

**4 PIN EXTENSION CABLE**

AVAILABLE VERSIONS		
5 METERS	10 METERS	20 METERS
P/N: 7137734	•	
P/N: 7137739		•
P/N: 7137740		•

TECHNICAL SPECIFICATION

Compatibility	Calearo standard and AHD cameras
Cable Type	High resistant multicore cable
Connections	4 PIN with secur lock
Note	

Dedicated cables for video signals and power supply to connect the Calearo cameras to the Calearo monitors

ADAPTER

AVAILABLE VERSIONS	
CHANGE THE MONITOR CONNECTOR FROM 4 PIN TO RCA	CHANGE THE CAMERA CONNECTOR FROM 4 PIN TO RCA
P/N: 7137742	•
P/N: 7137743	•

TECHNICAL SPECIFICATION

Compatibility	Calearo standard and AHD monitor
Cable Length	300 mm
Connections	4 PIN with secur lock RCA
Note	

SPEAKER GRILL

	DESCRIPTIONS	TYPE	ACCESSORIES
P/N: 7122003	Square grill with visible screw	100 mm	Plastic frame and metal grid
P/N: 7122020	Square grill with visible screw	130 mm	Plastic frame and metal grid
P/N: 7122021	Square grill with visible screw	165 mm	Plastic frame and metal grid



	DESCRIPTIONS	TYPE	ACCESSORIES
P/N: 7122012	Round grill with hidden screw	100 mm	Plastic frame and metal grid
P/N: 7122018	Round grill with visible screw	100 mm	Plastic frame and metal grid
P/N: 7122022	Round grill with visible screw	130 mm	Plastic frame and metal grid
P/N: 7122019	Round grill with visible screw	165 mm	Plastic frame and metal grid



	DESCRIPTIONS	TYPE	ACCESSORIES
P/N: 7122023	Rectangular grid with visible screw	150 x 90 mm	Plastic frame and metal grid

**BOX**

	DESCRIPTIONS	TYPE	ACCESSORIES
P/N: 7122026	Box for speaker	100 mm	Plastic frame and metal grid

Note Allow to mount the 100 mm speakers type on the dashboard, on the roof or in any other position inside the vehicle



FRAME

DESCRIPTIONS		MATERIALS	DIMENSION	ACCESSORIES
P/N: 7122025	Black frame for 1 DIN radio with rounded profile	Metal	Internal: 1 DIN standard / External: 195 x 68 mm max	
Note	Allow to adapt the radio slot to the 1 DIN standard			

**COVER**

DESCRIPTIONS		MATERIALS	DIMENSION	ACCESSORIES
P/N: 7122017	1 DIN COVER	Plastic	189 x 66 mm	
P/N: 7122138	2 DIN COVER	Plastic	189 x 110 mm	
Note	Allow to cover the radio preparation			



ICONS DESCRIPTION	
	DAB Tuner for DigitalRadio
	Backup memory for settings and stored channels
	IP 54 class protection
	Dust and water spray protection for tough working conditions
	Radio Data System (RDS) displays several types of information (time, station identification and programme information)
	MP3 player
	SD card input
	Micro SD card input
	USB input
	Auxiliary input for audio jack
	Preamplified signal output
	Subwoofer output
	Bluetooth™ for handsfree and audio streaming (A2DP)
	External microphone for handsfree communications
	Quick search for MP3 file
	Detachable panel
	Short body

WE ARE PEOPLE BEHIND THE TECHNOLOGY

Calearo persegue costantemente una politica di continua ricerca e sviluppo.
Pertanto si riserva il diritto di modificare le caratteristiche tecniche e/o estetiche
dei suoi prodotti in qualsiasi momento e senza alcun preavviso.

Calearo has always pursued a policy of continuous research and development.
Therefore the Company reserves the right to modify technical and/or aesthetical features
of its products at any time and without prior notice.

Die Firma Calearo betreibt ständige Forschungs- und Entwicklungspolitik und behält sich
das Recht vor, jederzeit technische und/oder ästhetischen Änderungen ihrer Produkte ohne
vorherige Benachrichtigung vorzunehmen.

Calearo poursuit une politique continue de développement et d'amélioration et,
par conséquent, se réserve tout droit de modifier les caractéristiques techniques
et/ou esthétiques de ses produits à n'importe quel moment et sans préavis.

Calearo apuesta por una política constante de desarrollo e innovación.
Por lo que, se reserva el derecho de modificar las características tanto técnicas
como estéticas de sus productos en cualquier momento y sin ningún preaviso.

Компания Calearo постоянно занимается исследованиями и разработками.
Поэтому Компания оставляет за собой право изменять любые технические характеристики
и/или дизайн своего продукта в любой момент без дополнительного уведомления.

Calearo heeft altijd een beleid van continue research en ontwikkeling nagestreeft.
Daartoe behoudt het bedrijf het recht om te allen tijde en zonder voorafgaande kennisgeving
technische en/of esthetische aanpassingen in haar producten te doen.

REV. 02/21

