

*Solutions for the mobile reception
of the Digital Radio DAB+*



DAB+ RADIO

DAB+
Digital Audio Broadcasting

Take a drive into the perfect sound



antenne
CALEARO®

The antenna makes the difference!

Digitalradio stands for improved audio quality, noiseless broadcasts and extra features and services for the consumer.

DAB will gradually replace FM radio and many European countries have already implemented the DAB standard, also planning the FM radio switch-off.

In this new scenario of radio broadcasting, the antenna is the crucial element, in fact it has to grant the best reception of the DAB signal. This is why the antenna really makes the difference. You only have to identify which one best fits your installation needs.

Tune in to the Digital Radio!

DAB+ shark-fin antenna. A stylish solution available in various versions with different combinations of functions. It can be installed in place of an existing antenna, making use of the existing hole or drilling a new one. It offers indeed a very attractive solution for Your car roof!



DAB+ glass mount antenna, for internal self-adhesive installation. It is provided with neat and unobtrusive receiving element. This kind of antenna is quick and easy to install and no holes are required.



DAB&PLAY, embedded smart antenna solutions that offer outstanding reception of the Digital Radio thru the car's original windscreen antennas. For now this solution is only available for VW/Skoda and Seat vehicles.



Active splitter to be connected to an original not-amplified AM/FM radio antenna. It splits and amplifies the antenna's signal. It allows to preserve the original antenna base, but in most cases the OE rod needs to be replaced by a multi-function rod.



DAB+ roof mount antenna, for backside installation, provided with 40 or 20cm rod. Available in various versions with different combinations of functions. It can be installed in place of an existing antenna, making use of the existing hole or drilling a new one.

We have solutions that can fit all Your needs!

Calearo Antenne SpA offers a wide range of DAB+ antenna solutions. Depending on type of installation, car brand and version, and of course desired performances, you can choose the most suitable DAB antenna:

- roof mount antennas, single or multifunction, also available in the shark fin design
- embedded antenna systems for VAG custom-fit applications which make use of the vehicle's original windscreen antennas and enable the reception of the digital radio on systems which were meant to only receive AM/FM signals
- splitter to be used in combination with a new AM/FM-DAB ready rod, in case of original not-amplified antenna
- adhesive antennas for a quick and unobtrusive installation

RECEPTION RATING

Top level performance 

Good performance 

Medium performance 

Basic performance 

RADIO AM-FM, DIGITAL RADIO DAB+, GPS

7677937	REAR ROOF ANTENNA		
	SHARK 2 COMBI-DAB	AM-FM	DAB-DAB+
Connector	AM/FM = HC97 F (RAKU 2) DAB = SMB F		
Ext. cable	DAB (L = 5 mt Z = 50 Ω C = 101 pF/m) POWER (L = 5 m)		
Power Supply	AM/FM = 12V DAB = 12V		
Frequency	AM = 0,15-1,71 MHz FM = 87,5-108 MHz III Band = 174 - 240 MHz		
Gain	III Band = 10 dBi		
Consumption	AM/FM = 50 mA max DAB = 50 mA max		
L x B x H (cm)	11,7 x 7,6 x 6,2		



7677940	REAR ROOF ANTENNA			
	SHARK 2 TRI-DAB	AM-FM	DAB-DAB+	GPS
Connector	AM/FM = HC97 F (RAKU 2) DAB = SMB F GPS = SMB F			
Ext. cable	DAB (L = 5 mt Z = 50 Ω C = 101 pF/m) GPS (L = 5 mt Z = 50 Ω C = 100 pF/m) POWER (L = 5 m)			
Power Supply	DAB = 12V AM/FM = 12V GPS = 3 ÷ 5V Phantom			
Frequency	III Band = 174 - 240 MHz GPS = 1575,42 ± 1,023 MHz			
Gain	III Band = 10 dBi GPS ≥ 27 dBi			
Consumption	AM/FM = 50 mA max DAB = 50 mA max GPS = 30 mA max			
L x B x H (cm)	11,7 x 7,6 x 6,2			



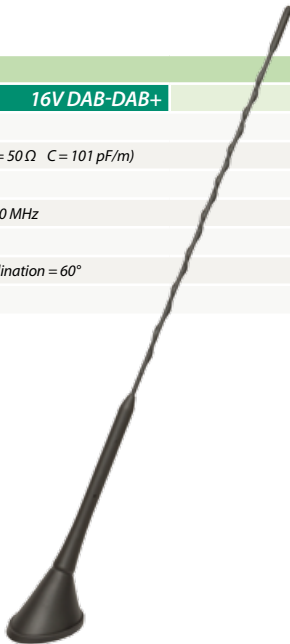
7677942	REAR ROOF ANTENNA	
	SHARK 2 DAB	DAB-DAB+
Connector	DAB = SMB F	
Ext. cable	DAB (L = 5 mt Z = 50 Ω C = 101 pF/m) POWER (L = 5 m)	
Power Supply	DAB = 12V	
Frequency	III Band = 174 - 240 MHz	
Gain	III Band = 10 dBi	
Consumption	DAB = 50 mA max	
L x B x H (cm)	11,7 x 7,6 x 6,2	



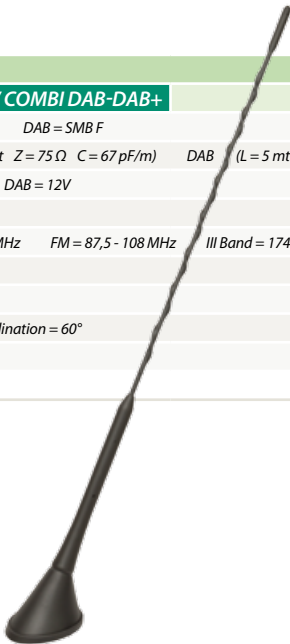
7677947	REAR ROOF ANTENNA		
	SHORT 16V COMBI DAB-DAB+	AM-FM	DAB-DAB+
Connector	AM/FM = ISO M DAB = SMB F		
Ext. cable	AM/FM (L = 5,6 mt Z = 75 Ω C = 67 pF/m) DAB (L = 5 mt Z = 50 Ω C = 101 pF/m)		
Power Supply	AM/FM = 12V DAB = 12V		
VSWR	III Band < 3:1		
Frequency	AM = 0,15 - 1,71 MHz FM = 87,5 - 108 MHz III Band = 174 - 240 MHz		
Gain	III Band = 14 dBi		
Consumption	50 mA max		
Rod	L = 20 cm Inclination = 60°		
L x B x H (cm)	6 x 4,3 x 25		



7677931	REAR ROOF ANTENNA	
	16V DAB-DAB+	DAB-DAB+
Connector	DAB = SMB F	
Ext. cable	DAB (L = 5 mt Z = 50 Ω C = 101 pF/m)	
VSWR	III Band < 3.5:1	
Frequency	III Band = 174 - 240 MHz	
Gain	DAB = 3 dBi	
Rod	L = 41 cm Inclination = 60°	
L x B x H (cm)	6 x 4,3 x 45	

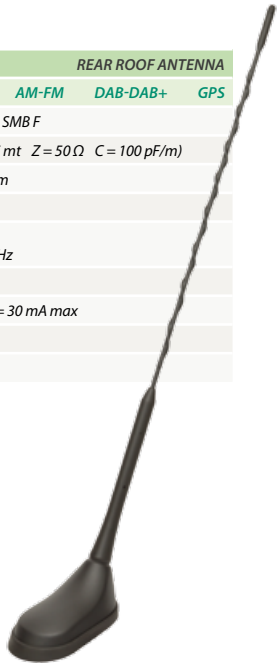


7677932	REAR ROOF ANTENNA		
	16V COMBI DAB-DAB+	AM-FM	DAB-DAB+
Connector	AM/FM = ISO M* DAB = SMB F		
Ext. cable	AM/FM (L = 5,6 mt Z = 75 Ω C = 67 pF/m) DAB (L = 5 mt Z = 50 Ω C = 101 pF/m)		
Power Supply	AM/FM = 12V DAB = 12V		
VSWR	III Band < 3:1		
Frequency	AM = 0,15 - 1,71 MHz FM = 87,5 - 108 MHz III Band = 174 - 240 MHz		
Gain	III Band = 18 dBi		
Consumption	50 mA max		
Rod	L = 41 cm Inclination = 60°		
L x B x H (cm)	6 x 4,3 x 45		
* ISO M / DIN adapter included			

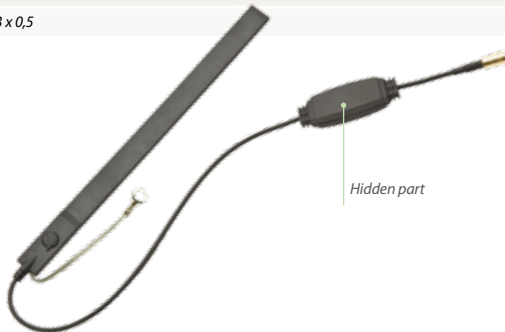


RADIO AM-FM, DIGITAL RADIO DAB+, GPS


7677941	REAR ROOF ANTENNA			
	TRI DAB	AM-FM	DAB-DAB+	GPS
Connector	AM/FM = HC97 F (RAKU 2) DAB = SMB F GPS = SMB F			
Ext. cable	DAB (L = 5 mt Z = 50 Ω C = 100 pF/m) GPS (L = 5 mt Z = 50 Ω C = 100 pF/m)			
Power Supply	AM/FM = 12V DAB = 12V GPS = 3÷5V Phantom			
VSWR	III Band < 3:1 GPS < 2:1			
Frequency	AM = 0,15 - 1,71 MHz FM = 87,5 - 108 MHz III Band = 174 - 240 MHz GPS = 1575,42 ± 1,023 MHz			
Gain	III Band = 18 dBi GPS ≥ 27 dBi			
Consumption	AM/FM = 50 mA max DAB = 50 mA max GPS = 30 mA max			
Rod	L = 41 cm Inclination = 60°			
L x B x H (cm)	9,8 x 5 x 45			



7137134	INTERNAL ON GLASS	
	RUBBER DAB/DAB+	DAB-DAB+
Connector	DAB = SMB F 90°	
Ext. cable	DAB (L = 3,5 mt Z = 50 Ω C = 101 pF/m)	
Power Supply	DAB = 12V Phantom	
Frequency	III Band = 174 - 240 MHz	
Gain	III Band = 6 dBi	
Consumption	35 mA max	
L x B x H (cm)	18 x 1,3 x 0,5	



INTERNAL ON-GLASS						
LIGHT DAB/DAB+			DAB-DAB+			
7677933	Connector	DAB = SMB F	Cable	L = 3,5 mt	Power Supply	12V /12V Phantom
7677938	Connector	DAB = FAKRA F	Cable	L = 5 mt	Power Supply	12V Phantom
7677939	Connector	DAB = SMA M	Cable	L = 3,5 mt	Power Supply	12V Phantom
Cable	DAB (Z = 50 Ω C = 101 pF/m)					
Frequency	III Band = 174 - 240 MHz					
Gain	III Band = 6 dBi					
Consumption	50 mA max					
Color	Transparent					
L x B x H (cm)	28 x 2,5 x 1,5					





7677929	INTERNAL ON GLASS	
	LIGHT DAB/DAB+ EVOLUTION	DAB-DAB+
Connector	DAB = SMB F	
Cable	DAB (L = 3,5 mt Z = 50 Ω C = 101 pF/m)	
Power Supply	DAB = 5-16V / 5-16V Phantom	
Frequency	III Band = 174 - 240 MHz	
Gain	III Band = 10 dBi	
Consumption	50 mA max	
Color	Transparent	
L x B x H (cm)	28 x 2,5 x 1,5	



7677951	INTERNAL BUMPER - FIBERGLASS	
	FOIL DAB	DAB-DAB+
Connector	DAB = FAKRA M	
Cable	DAB (L = 24 cm Z = 50 Ω C = 101 pF/m)	
Power Supply	DAB = 12V Phantom	
Frequency	III Band = 174 - 240 MHz	
Gain	III Band = 10 dBi	
Consumption	DAB = 60 mA max	
L x B x H (cm)	Antenna = 15 x 8 Amplifier = 7,8 x 3 x 2,5	



7677950	INTERNAL BUMPER - FIBERGLASS		
	FOIL COMBI DAB/DAB+	AM-FM	DAB-DAB+
Connector	AM/FM = FAKRA M DAB = FAKRA M		
Cable	AM/FM (L = 24 cm Z = 50 Ω C = 101 pF/m) DAB (L = 24 cm Z = 50 Ω C = 101 pF/m)		
Power Supply	AM/FM = 12V Phantom*		
Frequency	AM = 0,15 - 1,71 MHz FM = 87,5 - 108 MHz III Band = 174 - 240 MHz		
Gain	III Band = 10 dBi		
Consumption	AM/FM = 60 mA max DAB = 60 mA max		
L x B x H (cm)	Antenna = 35 x 13 Amplifier = 7,8 x 3 x 2,5		

* DAB circuit powered via AM/FM cable



ANTENNAS

REAR ROOF ANTENNAS



RADIO AM-FM, DIGITAL RADIO DAB+

7562030	UNIVERSAL KIT FOR DAB		
AM/FM DAB ACTIVE SPLITTER & ADAPTERS		AM-FM	DAB-DAB+
Connector	FAKRA M		
Power Supply	DAB = 12V		
Frequency	AM = 0,15-1,71 MHz FM = 87,5-108 MHz III Band = 174-240 MHz		
Gain	III Band = 20 ± 2 dB		
Consumption	AM/FM = 50 mA max DAB = 50 mA max		
L x B x H (cm)	7 x 3,8 x 1,2		
Adapter cables	L = 50 cm DIN F / FAKRA F DIN M / FAKRA F SMB F 90° / FAKRA F		



		UNIVERSAL HEAVY DUTY	
FLEXI AM/FM ANTENNA		AM-FM	DAB READY**
7667012	*L = 2,5 m	7667013	*L = 1,5 m
Connector	AM/FM = DIN M		
Cable	AM/FM (*L = 1,5 / 2,5 m Z = 50 Ω C = 101 pF/m)		
Frequency	AM = 0,15 - 1,71 MHz FM = 87,5 - 108,0 MHz III Band = 174 - 240 MHz		
Rod	L = 25 cm Inclination = 0 ÷ 180°		
L x B x H (cm)	4,8 x 2,2 x 29		

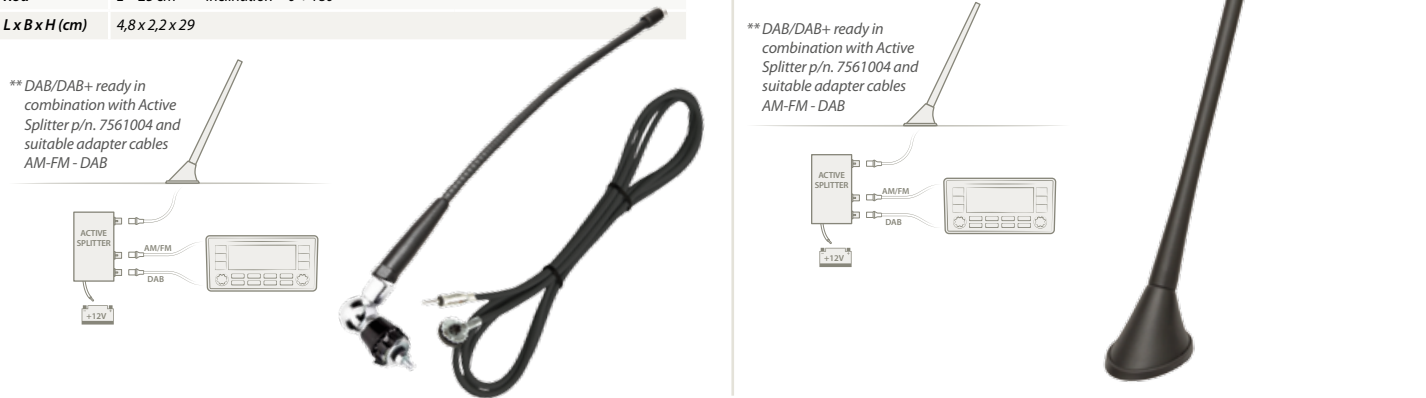


HIDDEN AMPLIFIER - O.E. SUPPLY			
DAB & PLAY - VW / SKODA		FM DAB-DAB+	
7590007	Check car compatibility list *	7590009	Check car compatibility list *
Connector	DAB = SMB F		
Ext. cable	DAB (L = 6,5 mt Z = 50Ω C = 101 pF/m)		
Power Supply	DAB = 8,5V - 12V Phantom		
Frequency	FM = 87,5 - 108 Mhz III Band = 174 - 240 MHz		
Gain	FM = 6 ± 1 dB III Band = 19 ± 2 dB		
Consumption	FM = 40 mA max DAB = 50 mA max		
L x B x H (cm)	10 x 2 x 1		
It replaces the original amplifier		* Visit our web site or contact the Sales office for car compatibility list	



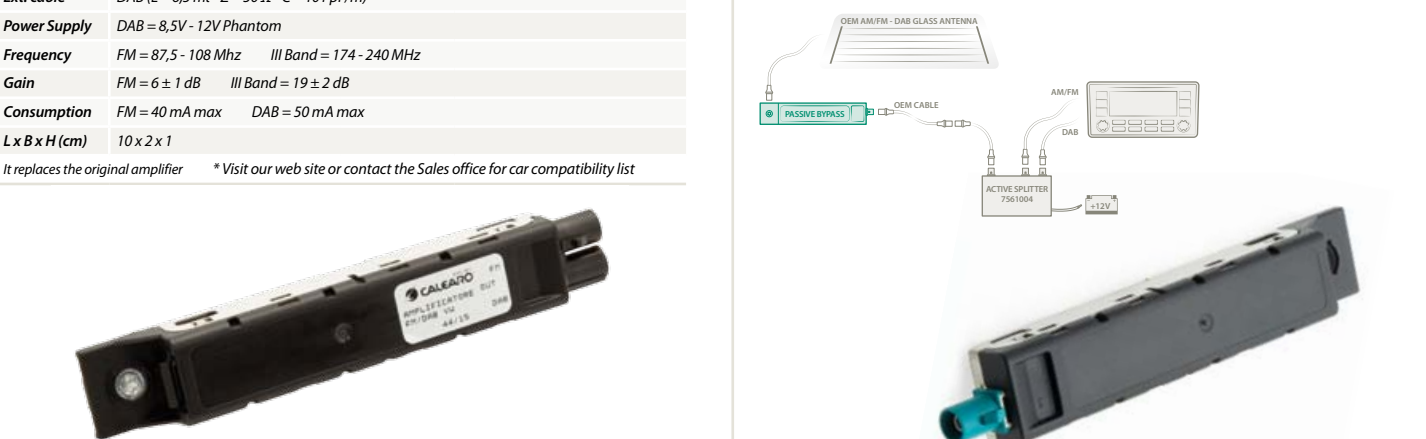
UNIVERSAL HEAVY DUTY		
FLEXI AM/FM ANTENNA		AM-FM DAB READY**
7667012	*L = 2,5 m	7667013 *L = 1,5 m
Connector	AM/FM = DIN M	
Cable	AM/FM (*L = 1,5 / 2,5 m Z = 50 Ω C = 101 pF/m)	
Frequency	AM = 0,15 - 1,71 MHz FM = 87,5 - 108,0 MHz III Band = 174 - 240 MHz	

7677909		REAR ROOF ANTENNA - O.E. SUPPLY	
16V ANTENNA		AM-FM	DAB READY**
Connector	AM/FM = HC97 F (RAKU 2)		
Frequency	AM = 0,15 - 1,71 MHz	FM = 87,5 - 108 MHz	DAB = 174 - 240 MHz
Rod	L = 20 cm	Inclination = 60°	
L x B x H (cm)	6 x 4,3 x 25		



HIDDEN AMPLIFIER - O.E. SUPPLY		
DAB & PLAY - VW / SKODA		FM DAB-DAB+
7590007	Check car compatibility list *	7590009 Check car compatibility list *
Connector	DAB = SMB F	

7590008	HIDDEN BYPASS	
PASSIVE BYPASS FM/DAB+		VW SKODA
Connector	Single FAKRA M code Z	
L x B x H (cm)	10 x 2 x 1	



CAR RADIOS

1DIN CAR RADIOS



RADIO AM-FM, DIGITAL RADIO DAB+

7137570	1DIN CAR RADIO			
ES7131 DAB		CD	EEPROM	BLUETOOTH DAB+
Connector	AM/FM = DIN F DAB = SMB M			
Connection	USB 1.1 / 2.0 AUX IN front / rear SD / SDHC Pre Amp out Subwoofer out			
Tuner	RDS World tuner			
Power supply	12 V			
Power output	4 channels x 50 W			
Display	LCD White color illumination			
Button	White color illumination			
Features	Backup memory Quick search			
Playback	CD-R / -RW MP3 WMA			
Microphone	Internal / external			
L x W x H (cm)	18,8 x 17 x 5,8			

DIGITAL RADIO



7137574	1DIN CAR RADIO			
ES6180 DAB		MECHLESS	EEPROM	BLUETOOTH DAB+
Connector	AM/FM = DIN F DAB = SMB M			
Connection	USB 1.1 / 2.0 AUX IN front Pre Amp out Subwoofer out			
Tuner	RDS World tuner			
Power supply	12 V			
Power output	4 channels x 50 W			
Display	DOT Matrix White color illumination			
Button	Red color illumination			
Features	Backup memory Quick search Short body			
Playback	MP3 WMA FLAC			
Microphone	Internal / external			
L x W x H (cm)	18,8 x 12 x 5,8			

DIGITAL RADIO



7137577	1DIN CAR RADIO			
DP6290 DAB		MECHLESS	EEPROM	IP54 BLUETOOTH DAB+
Connector	AM/FM = DIN F DAB = SMB M			
Connection	USB 1.1 / 2.0 AUX IN front			
Tuner	RDS World tuner			
Power supply	12 V			
Power output	4 channels x 40 W			
Display	LCD White color illumination			
Button	Red color illumination			
Features	Backup memory Dust & spray resistant Quick search Short body			
Playback	MP3 WMA FLAC			
Microphone	External			
L x W x H (cm)	18,8 x 12 x 5,8			

DIGITAL RADIO





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