Satellite Dishes range
In Building Solutions
2019-2020 Edition

CAHORS

CAHORS

In building specialist

With over **25 years of experience** in the multimedia field, **CAHORS adapts** to each problem and proposes the solutions and equipment adapted to the needs of the **residential and tertiary markets.**

All users, professionals or individuals, can access to data they need at any time.

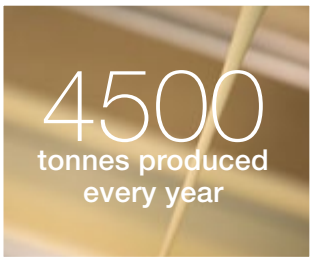
Summary

Our sales department is at your disposal for any information.
Our commercial documentation can be sent to you on request.
You can also consult them in pdf.
For more information, scan this code or go to www.groupe-cahors.com

SMC satellite dishes

IN COMPOSITE REINFORCED WITH GLASS FIBRE

CAHORS has over 40 years' experience in compounding, production of prepreg SMC, hot compression molding, and innovative finish processes. SMC (Sheet Molding Compound) is a composite material of the GRP (Glass Reinforced Plastic) family. It's a polyester-matrix composite reinforced with glass fibre.



SMC antennas durable and robust

- **Do not deform in time:** no gain losses
- **Rigidity of the reflector:** easy pointing
- **Solar reduction system:** increase LNB life

Made in France
Our products are developed & designed in our factory at Cahors city (46)

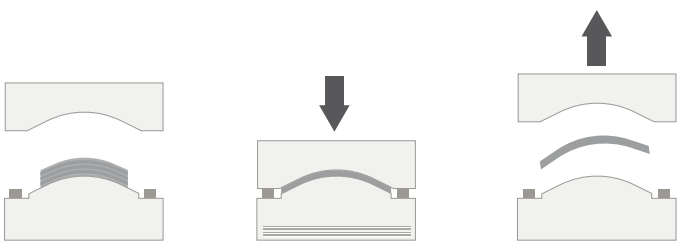
Resistance to climatic conditions
UV, humidity, ozone, oxidation, pollution, corrosion. DRP material resists extrem temperature (-50°C to 150°C)

Quality
To ensure you of our quality, all CAHORS SMC reflectors come with a 10 years anti corrosion warranty.

Impact performance
Glass-fibre mechanical reinforcement limits cracks propagation. > 20 J

SMC compression

This cross-linking reaction reinforces the structure of the final material and gives the moulded product its **remarkable properties.** It will retain these whatever the environmental conditions, for a product **service life in excess of 40 years.**



Charge placement on the mould

Moulding 100 bars pressure, 145°C temperature

Product unmoulding

SMC 55 UNI
SMC FIBRE ANTENNA

10 YEARS WARRANTY · SUPPORT LNB QUICK · ALUMINIUM ARM

COMPO
Back mount

THERMO PLASTIQUE COMPO GLASS FIBER

Technical Data	
Height x Width	55 x 48 cm
Gain at 12,625 GHz	34,5 dB
Mounting on tube	ø 30 to 60 mm
Weight	4 kg

ANT SMC 55 UNI	LNB	Ref 0140863	x47
ANT SMC 55 UNI G	LNB	Ref 0140001R13	x47

SMC 65 UNI
SMC FIBRE ANTENNA

Technical Data	
Height x Width	68 x 61 cm
Gain at 12,625 GHz	36 dB
Mounting on tube	ø 30 to 60 mm
Weight	6 kg

> SMC COMPO 65

COMPO Back mount

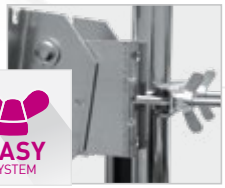
THERMO PLASTIQUE COMPO GLASS FIBER

ANT SMC CP65 UNI	LNB	Ref 0140907	x35
ANT SMC CP65 UNI	LNB	Ref 0140908	x35
ANT SMC CP65 UNI	LNB	Ref 0140909	x35

> SMC METAL 65

Steel Az/El back mount

EASY SYSTEM



ANT SMC 65 METAL	LNB	Ref 0140299	x35
ANT SMC 65 METAL	LNB	Ref 0140796	x35

> SMC INOX 65

COMPO Back mount & stainless steel bracket & bolts

IX INOX

ANT SMC IX65 UNI	LNB	Ref 0140910	x35
ANT SMC IX65 UNI	LNB	Ref 0140911	x35

SMC 70 UNI

SMC FIBRE ANTENNA

10 YEARS WARRANTY

SUPPORT LNB QUICK

ALUMINIUM ARM

COMPO back mount

Available in 3 colors

RAL 9002 | 7012 | 8014

Technical Data	
Height x Width	68 x 66 cm
Gain at 12,625 GHz	36,5 dB
Mounting on tube	ø 30 to 60 mm
Weight	6 kg

> SMC INOX 70

IX INOX

COMPO Back mount & stainless steel bracket & bolts

ANT SMC IX 70 UNI	LNB	Ref 0140904	x24
ANC SMC IX 70 UNI	LNB	Ref 0140905	x24

> SMC COMPO 70

EASY SYSTEM

COMPO Back mount

ANT SMC CP 70 UNI	LNB	Ref 0140901	x24
ANT SMC CP 70 UNI	LNB	Ref 0140902	x24
ANT SMC CP 70 UNI	LNB	Ref 0140903	x24

Download our **free** mobile apps **QuickSat** to align your CAHORS antenna !

Available on the iPhone App Store

Google Play

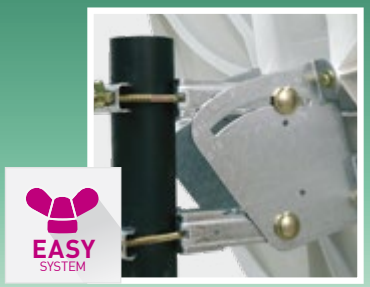
www.groupe-cahors.com/fr-france/quicksat.html

SMC 80

SMC FIBRE ANTENNA

10 YEARS WARRANTY

ALUMINIUM ARM



Steel Az/El back mount

Available in 3 colors

RAL 9002 | 7012 | 8014

Technical Data	
Height x Width	81 x 75 cm
Gain at 12,625 GHz	38,25 dB
Mounting on tube	ø 50 to 60 mm
Weight	7 kg

> SMC 80

ANT SMC 80 UNI	LNB	Ref 0140264	x22
ANC SMC 80 UNI	LNB	Ref 0140797	x22
ANT SMC 80 UNI	LNB	Ref 0140498	x22

> SMC 80 WITHOUT LNB

ANT SMC 80	Ref 0140551	x22
ANT SMC 80	Ref 0140447	x22

> LNB HOLDERS

For SMC 80 antennas

2 SAT RECEPTION

Multi-standard support
Ø 23/40mm
Ref 0914052

6° Adapter
Ref 0914238

Variable 6° support
Ø 23/40mm LNBs
Ref 0914319

Fixed 6° support
Ø 23/40mm LNBs
Ref 0914237

LNBs Monobloc

SMC 100

SMC FIBRE ANTENNA

10 YEARS WARRANTY · SMATV · ALUMINIUM ARM

The SMC 100 antenna is the best balance between gain and size. Its high performance, durability and stability makes we specially recommend this antenna for SMATV applications.

Available in 3 colors

RAL 9002 | 7012 | 8014

Galvanized steel
Back Mount
Elevation > 40°

EASY SYSTEM

> SMC 100*

ANT SMC 100V2	Ref 0140880	x15
ANT SMC 100V2 6°	Ref 0140883	x15
ANC SMC 100V2 G	Ref 0140881	x15
ANT SMC 100V2 B	Ref 0140882	x15

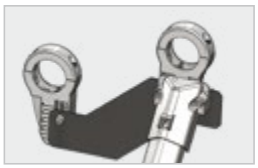
* without LNB

Technical Data	
Height x Width	102 x 92 cm
Frequency range	10,7 - 12,75 GHz
Gain at 12,625 GHz	39,7 dB
Gain 6° at 12,750 GHz	37,7 dB
G/T nominal (dB/°K) at 12,750 GHz	19,8
G/T 6° (dB/°K) at 12,750 GHz	17,8
Noise temperature	< 35°K
Beam width at 11,325 GHz	1,9°
Arm	Aluminium
Back mount	Steel
Rapport F/D	0,65
Mounting on tube	Ø 50 to 60 mm
Mounting mast	Ø 30 to 60 mm
Weight	9,5 kg

> SUPPORTS 100

SUP AUSTRIA
Ref 0914520
Astra 19,2° E
Eutelsat 16° E
Hotbird 13° E

SUP HDTV
Ref 0914538
Astra 19,2° E
Astra 23,5° E
Hotbird 13° E



SUP 19-28°
Ref 0914775R13
Astra 19,2° E
Astra 28,2° E

SUP 6°
Ref 0914513
Astra 19,2° E
Hotbird 13° E

SMC 120

SMC FIBRE ANTENNA

10 YEARS WARRANTY | SMATV | ALUMINIUM ARM

Technical Data	
Height x Width	127 x 123 cm
Gain at 12,625 GHz	41,8 dB
Mounting on tube	Ø 60 à 80 mm
Weight	21 kg

Kit SMC 120 + polar mount
Ref 0140854

Polar mount
Ref 0140864

> SMC 120*

Galvanized steel
Az/El back mount

KIT 120 MS AZ/EL 60°	Ref 0140851	x6
KIT 120 MS AZ/EL 60°	Ref 0140898	x6

* without LNB

> SUPPORTS 120

SUP 19-28°
Ref 0914775R13
Astra 19,2° E
Astra 28,2° E

SUP 6°
Ref 0914513
Astra 19,2° E
Hotbird 13° E

SMC 150

SMC FIBRE ANTENNA

RAL 7047

Steel Az/El back mount

Technical Data	
Height x Width	161 x 151 cm
Gain at 11,325 GHz	43,2 dB
Gain nominal à 12,750 GHz	39,7 dB
Arm	SMC
Diameter LNB holder	40 mm
Back mount	Acier galva
Frequency range	10,7 - 12,75 GHz
Offset	20.1°
Mounting on tube	ø 60 to 88 mm
Input voltage	320 W
Weight	18.5 kg

SMC 150*	Ref 0141303	x1

* without LNB


SMC BISAT

MULTISATELLITE ANTENNA

10 YEARS WARRANTY

HD

ALUMINIUM ARM

Fits perfectly the environment
with 3 different colors

ANT BISAT G2 B	Ref 0140339	x20
ANT BISAT G2 G	Ref 0140468	x20
ANT BISAT G2 M	Ref 0140494	x20

G2 HOLDER

BISAT with reflector + arm + back mount
+ G2 holder, without LNB for the **2 satellites reception : ASTRA 19,2° + HOTBIRD 13°**

Technical Data	
Width x height	75 cm / 64 cm
Frequency range	10,7 - 12,75 GHz
Gain (dB) +/- 20°	37,5 dB
-3dB beamwidth	2,3°
G/T (12,5 GHz)	16 dBK
Elevation	0° à 90°
Mounting on tube	ø 30 à 60 mm
Weight	6 kg - 8 kg packed
Packaging size L x l x H	840 x 700 x 120 mm

> G2 EXTENSION HOLDERS

Holders	G2 extension > G3A	G2 extension > G3B	G2 extension > G3C
Reference	0914460	0914540	0914539
LNBs (no included)	3	3	3
Satellite	• Astra 19,2° E • Astra 28,2° E • Hotbird 13° E	• Astra 19,2° E • Astra 23,5° E • Hotbird 13° E	• Astra 19,2° E • Astra 23,5° E • Astra 28,2° E
			

> HEATING SYSTEMS

Despite of snow and ice

The heating system is developed to face with extreme climatic conditions and guaranties a constant reception quality despite snow and ice.

	HEAT ANT 100 V2	HEAT ANT 120	HEAT ANT BISAT	HEAT ANT BIG BISAT	THERMOSTAT SENSOR
Ref	0914493	0914504	0914533	0914650	0914541
R (Ohm)	114 - 132	100,5 - 111	218,5 - 253	131 - 145	-
P (W)	440	500	230	400	-
I (A)	1,91	2,17	1	1,7	-

Arm heating for satellite antenna

The heating system is made of 2 specific heating wires positioned in the arm profile, and activated by the temperature controller (ref. 0914541) on which is usually already connected a reflector heater.

LNB snow cap protection

To not lose your reception and protect your LNB source against the snow, the Snow cap is clipped on a standard LNB (Ø 40mm)

SNOW CAP
Ref. 0914004R13

Electrical properties	Arm heating BISAT	Arm heating BIG BISAT
Reference	0914749R13	0914750R13
Power W @ 10°C	2 x 8 watts	2 x 11.4 watts
IP rating	65	65
Class	I	I

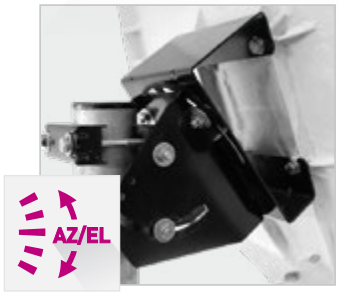

SMC BIG BISAT

MULTISATELLITE ANTENNA TO 2 AT 8 SATELLITES

10 YEARS WARRANTY | HD | ALUMINIUM ARM

- Compo multi-feed support
- Lightness and strength
- Easy mounting single screw / hinged
- Aluminium feed legs

Without LNB



- Azimut/elevation/tilt
- Compact and light
- Easy mounting
- Easy adjustment

BIG BISAT 4xMS	Ref 0140955	x15
BIG BISAT 4xMS	Ref 0140956	x15
BIG BISAT 4xMS	Ref 0140957	x15

Ø23mm lnb support for 3° reception

Technical Data	
LNB holders	**4 supports LNB Ø 40mm fournis**
Width x height	91 cm / 70 cm
Frequency range	10,7 – 12,75 GHz
Multi beam capability	+/- 20° orbital (total 40°)
Gain (dB) +/- 20°	36 dB
-3dB beamwidth	2,3°
G/T (12,5 GHz)	16 dBK
Elevation	0°to 90°
Mounting on tube	ø 40 to 60 mm
Weight	9 kg - 11 kg emballée
Packaging size L x l x H	840 x 925 x 160 mm

> BIGBISAT ACCESSORIES

For 3° reception, use LNB Slim feed + Ø23mm lnb support

Ø 40 mm

Ø 23 mm

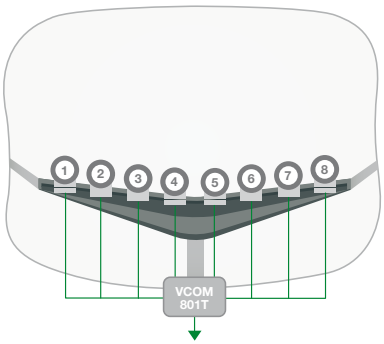
LNB Single

SUP LNB ø40mm	Ref 0914597	x1
SUP LNB ø23mm	Ref 0914656	x1

LNB SLIM FEED ø 23mm SINGLE	Ref 0914831R13

Switch 8 inputs

Switches up to 8 satellites via single cable with DiSEqC® command.



VCOM 801T	Ref 0914788R13	x1

> ALIGNMENT SOFTWARE

Quicksat web version

http://www.groupe-cahors.com

> Services > Tools and Applications

Mounting & Alignment in 10' only

CAHORS's special ONLINE software will automatically calculate all the necessary installation parameters required to align the BIG BISAT to the requested satellites at exact geographical location.

Quicksat mobile

Free app to download

Available on the iPhone App Store

Google Play

SMC 90 DO

VSAT SMC 90CM ANTENNA

10 YEARS WARRANTY | HD | ALUMINIUM ARM

Superior quality for Transmit / Receive applications:

The aluminium shaped arms ensure the perfect alignment of the Rx / Tx system with the reflector. A special attention was given in the masthead design to provide pointing accuracy and stability.

SMC 90 DO	Ref 0141026	x1

Easy installation and fine adjustment:

The stiff Az/El masthead allows the fine adjustments of each parameter individually and insures the highest performances.

The polarization settings can be done either on the feed or on the rear mount.

The gregorian design gives the low cross polarization levels needed for transmit.

Technical datas		
Width x height	99 x 90 cm	
Shape	Offset / Effective aperture Ø 90 cm	
Material main reflector	Glass fiber reinforced polyester	
Mount pipe	Az/El/Polarization type Ø 60~80 mm	
Feed interface	WR 75	
Azimuth	0 /360° with +/- 5° fine adjustment	
Operational windspeed	100 Km/h with bursts up to 130Km/h	
Temperature	-30°C ~ +60°C	
Atmosphere	coastal and industrial areas	
Cross polarization	> 30 dB within the -1dB contour	
Weight	< 30 kg	
RF Performance	**Receive**	**Transmit**
Polarization	Linear	Linear Orthogonal
Frequency band	10,7 ~12,75 GHz	14 - 14.5 GHz
3dB Beamwidth	1.9° at 11.7GHz	1.6° at 14.25GHz
Gain	38.5 dB at 11.7GHz	40.3 dB at 14.25GHz
G/T (30° elevation)	16.5 dB/K at 11.7GHz	
Isolation Rx / Tx (13,75~14,5 GHz)	-	40 dB min
Tx / Rx (10,75~12,75GHz)	75 dB min	-
VSWR	1.3 : 1 max	

SMC 120 DO

VSAT SMC 120CM ANTENNA

10 YEARS WARRANTY

HD

ALUMINIUM ARM

SMC 120 DO	Ref 0141134	x1

Technical datas		
Width x height	127 x 123 cm	
Shape	offset / Effective aperture 120 cm	
Material main reflector	Glass fiber reinforced polyester	
Mount pipe	Az/El/Polarization type Ø 76 mm	
Feed interface	WR 75	
Azimut	0~360° with +/-5° fine tune	
Operational windspeed	80 Km/h with bursts up to 130Km/h	
Elevation range	10~90° continuous fine tune	
Temperature	-30°C ~ +60°C	
Atmosphere	coastal and industrial areas	
Cross polarization	> 30 dB within the -1dB contour	
Weight	< 30 kg	
RF Performance	**Receive**	**Transmit**
Polarization	Linear	Linear Orthogonal
Frequency band	10,7 ~12,75 GHz	14 ~14,5 GHz
3dB beamwidth	1,3°	1,1°
Gain @ 12,5 GHz	41,8 dBi	42,5 dBi
G/T (30° elevation) @ 12,5 GHz	21,6 dBK	
Isolation Rx/Tx (13,75~14,5 GHz)	40 dB min	
Tx/Rx (10,75~12,75GHz)	75 dB min	
VSWR	1,3 : 1 max	

Easy installation and fine adjustment:

The stiff Az/El/Xpol mount allows the fine adjustments of each parameter individually and insures the highest performances.

The SMC Reflector provides the essential requirements for transmission to satellite:

- dimensional accuracy
- mechanical stability over time and temperature
- excellent performance at high frequencies

DOM-TOM / Oceania

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