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ALL ABOUT CRYSTOP SATELLITE TV SYSTEMS

Designed, manufactured and hand-assembled in Germany, Crystop mobile satellite systems are amongst the very best products of their kind available. Although they're one of the smallest manufacturers of mobile satellite systems, Crystop are leaders in electronic design and engineering expertise. With only the best quality components used and with reliability and ease of operation in mind, each unit is individually tested as a complete system ensuring that, straight out of the box, everything works just as it should and, just as importantly, keeps on working for as long as you keep the system.

Crystop systems are very flexible: automatic skew, multi-output LNBs and even 2-way Internet access can all be supplied as an option on certain new units or fitted later should the need arise. Even the electronic control panels, although simple to operate, can also be used to re-programme the system should the need arise. Any digital satellite receiver can be used: Sky digiboxes (including Sky+), Freesat receivers and any free to air model such as those from Zehnder can all be easily connected. In these ways, Crystop have virtually "future-proofed" their products.

There are two ranges of Crystop satellite systems, Autosat 2 and Autosat Light. Autosat 2 models have bigger, stronger motors and are capable of dealing with larger dishes of 85cm and 1M in diameter. They also have more options available such as twin LNBs and automatic skewing.

Autosat Light units are designed to be lighter in weight and therefore have smaller, less powerful motors. Maximum dish size is 65cm and there are models which are ideal for vehicles with special requirements such as low height (down to 11cm) or small operating area (as small as 28cm radius). There are even free-standing units which can be easily carried and then positioned in order to avoid obstacles such as trees.

If anything should go wrong, spares and full servicing facilities are available throughout the U.K. With a standard 3-year warranty on Autosat 2 systems and a 2-year warranty on Autosat "Light" models, you can be sure that, however long you keep your Crystop system for, it will never be out of date.

D2162	CRYSTOP AUTOSAT 2S 85 CM SATELLITE SYSTEM
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This automatic system with an 85 cm dish is the popular choice for use on motorhomes and other vehicles which will be travelling to Spain, Portugal, Italy and beyond.

SPECIFICATIONS:

- Dish size (diameter): 85 cm
- Height when in park position: 19 cm
- Weight: 19 Kg
- L.N.B: Single L.N.B. with 0.3 dB gain
- Power draw during search: 36 watts
- Power draw in normal operation: 0 watts
- External dimensions – see diagram: A = 101.3 cm, B = 80 cm, C = 41.5 cm, D = 45 cm
- Dimensions of control box: 20 cm x 6.5 cm x 15 cm

D2170	CRYSTOP AUTOSAT 2S 100CM SATELLITE SYSTEM
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Crystop's Autosat 2S 100 has the largest dish of any mobile satellite TV reception system. For people who have to be sure that they've got the best possible chance of picking up British TV in southern and eastern Europe, this is the one to go for.

SPECIFICATIONS:

- Dish size (diameter): 100 cm
- Height when in park position: 23 cm
- Weight: 25 Kg
- L.N.B: Single L.N.B. with 0.3 dB gain
- Power draw during search: 40 watts
- Power draw in normal operation: 0 watts
- External dimensions – see diagram: A = 115 cm, B = 100 cm, C = 41.5 cm, D = 60 cm
- Dimensions of control box: 20 cm x 6.5 cm x 15 cm

D2169	CRYSTOP INTERNET 85 SYSTEM "NETMEISTER"
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For people who need to get "on line" at any time and wherever they are, the "Netmeister" provides a reliable and easy to use 2-way link via satellite. Made possible by co-operation between companies in several European countries and in collaboration with the European Space Commission, this system is specially designed for mobile use.

Based on Crystop's Autosat 2S 85 cm model, the Netmeister can also be used to receive TV signals, although not at the same time. And, using technology such as "Slingbox", all U.K. TV and radio channels can be accessed anywhere in southern and central Europe.

Additional hardware is supplied and consists of a 2-way Internet LNB and a 12V modem.

Operating costs: These range between approx. £1.00 & £10.00 per day depending on the subscription package and the exchange rate. For more details, visit

<http://www.ipcopter.com/en/shop/shop.php?catID=1000>

D2162A	TWIN LNB FOR AUTOSAT 2S
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This option can be used with both the 85cm & 1M Autosat 2S systems. It's essential if you want to use the facilities of receivers such as Sky+ models or if you want to be able to watch two different channels at the same time (using two receivers).

D2162B	AUTO SKEW FOR AUTOSAT 2S
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As a mobile satellite dish moves across Europe, its angle relative to the satellite continually changes. This can have a dramatic effect on the ability of the LNB to receive a good, strong signal and "skewing" is a means of compensating for this and, the bigger the dish, the more important it is to for the LNB to be skewed correctly.

Put simply, skewing consists of rotating an LNB in its holder. This can be done manually but will usually involve clambering on to the roof of the vehicle on which the dish is mounted. An auto' skew mechanism will find the best position automatically and ensure that the signal being received is as strong as possible. In areas close to the edge of a satellite's footprint, this can make the difference between getting programmes and not getting them.

D2163	CRYSTOP LIGHT GLOBUS SATELLITE TV SYSTEM
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This system uses a strange-looking dish which has two significant advantages. Firstly, its shape is more aerodynamic than a conventional dish and so it's more resistant to wind. Secondly, it's a cassegraine-type dish which means that it is a lot more efficient than a standard dish, In fact, although the dish on this system measures only 60 cm in diameter, its performance is more like that of an 80 cm conventional dish.

SPECIFICATIONS:

- Dish size (diameter): 60 cm
- Height when in park position: 27 cm
- Weight: 12 Kg
- L.N.B: Single L.N.B. with 0.3 dB gain
- Power draw during search: 18 watts
- Power draw in normal operation: 0 watts
- External dimensions – see diagram: A = 80 cm, B = 63 cm, C = 30 cm, D = 50 cm
- Dimensions of control box: 20 cm x 6.5 cm x 15 cm

D2164	CRYSTOP LIGHT "FLAT & COMPACT" SATELLITE TV SYSTEM
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When space is limited, this model is worth consideration. With an operating radius of just 28 cm, it needs less space than any conventional satellite dish. At 13 Kg it's not heavy either and so can be installed in places where it would just not be possible to fit an ordinary dish.

It will pick up some British channels (including most BBC radio stations and Sky News) even in southern Portugal but, if you want to watch BBC, ITV, Channel 4 and Five, we recommend this system for use all over the U.K., in most of Ireland and in France, Holland, Belgium and western parts of Germany.

SPECIFICATIONS:

- Dish size (diameter): 45 x 20 cm
- Height when in park position: 20 cm
- Weight: 13 Kg
- L.N.B: Single L.N.B. with 0.3 dB gain
- Power draw during search: 18 watts
- Power draw in normal operation: 0 watts
- External dimensions – see diagram: A = 40 cm, B = 48 cm, C = 30 cm, D = 28 cm
- Dimensions of control box: 20 cm x 6.5 cm x 15 cm

D2165	CRYSTOP LIGHT "FLAT & LOW" SATELLITE TV SYSTEM
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With an overall height of just 11 cm, this model could be just what's needed when clearance is a concern. At 13 Kg it's not heavy either and so can be installed in places where it would just not be possible to fit an ordinary dish.

It will pick up some British channels (including most BBC radio stations and Sky News) even in southern Portugal but, if you want to watch BBC, ITV, Channel 4 and Five, we recommend this system for use all over the U.K., in most of Ireland and in France, Holland, Belgium and western parts of Germany.

SPECIFICATIONS:

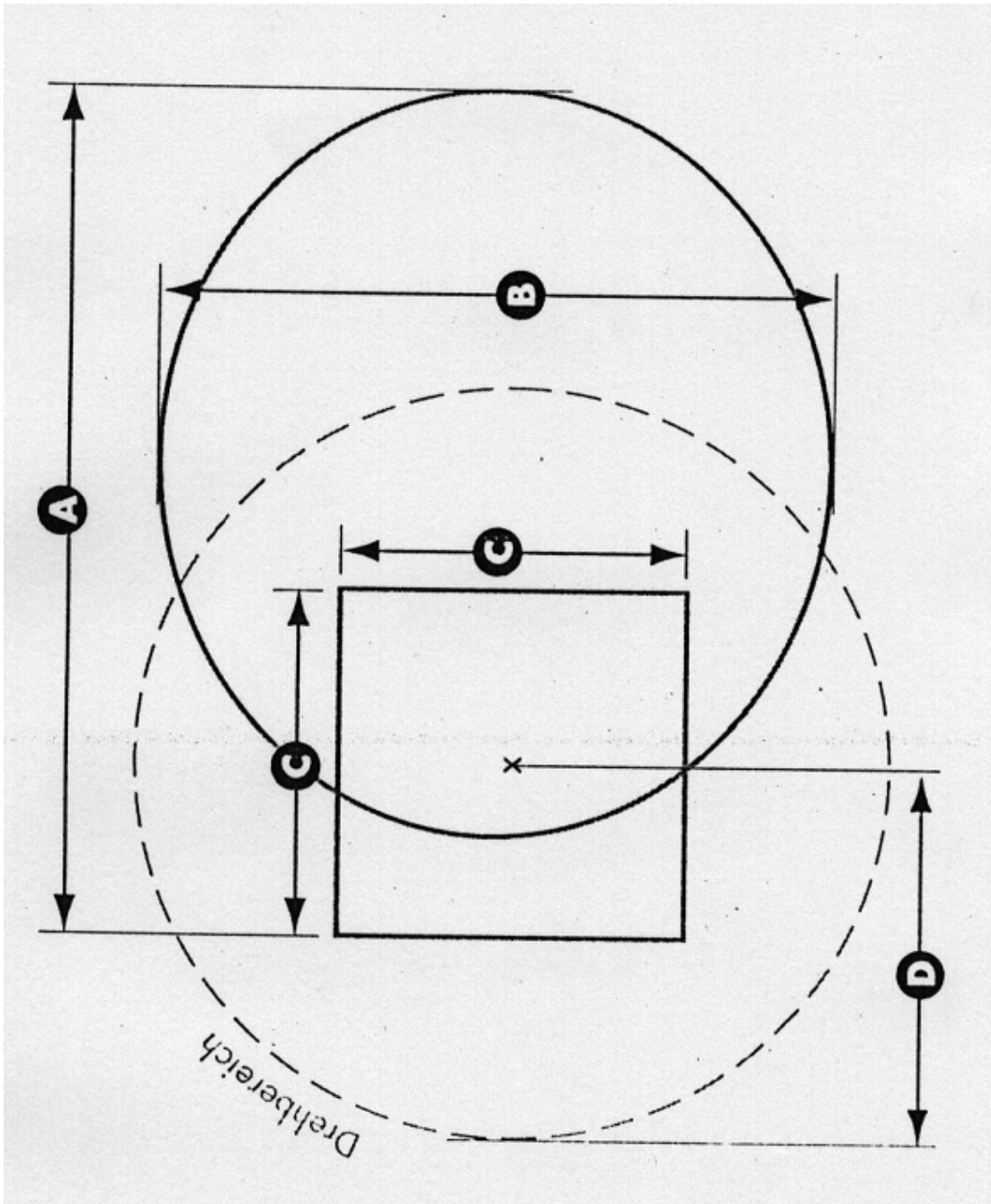
- Dish size (diameter): 45 x 20 cm
- Height when in park position: 11 cm
- Weight: 13 Kg
- L.N.B: Single L.N.B. with 0.3 dB gain
- Power draw during search: 18 watts
- Power draw in normal operation: 0 watts
- External dimensions – see diagram: A = 56 cm, B = 48 cm, C = 30 cm, D = 46 cm
- Dimensions of control box: 20 cm x 6.5 cm x 15 cm

D2166	CRYSTOP SOLOSAT "GLOBUS" SATELLITE TV SYSTEM
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Crystop's "Solosat" offers the convenience of a fully automatic satellite TV system with the advantage that it can be positioned so that a signal can be received even if the vehicle or boat is shaded by trees. Based on the Autosat Light "Globus" model, there's a rechargeable battery for setting the system up and a built-in, high-decibel alarm which is triggered if the unit is moved. For travel, the system weighs just 13 Kg, folds up surprisingly small and has a big, secure handle.

SPECIFICATIONS:

- Dish size (diameter): 60 cm
- Weight: 13 Kg
- L.N.B: Single L.N.B. with 0.3 dB gain
- Power draw during search: 18 watts from built-in battery
- Power draw in normal operation: 0 watts



Dotted line shows area of dish travel.



D2163: CRYSTOP AUTOSAT 2S 85 CM



D2169: CRYSTOP INTERNET 85 "NETMEISTER"



D2165: CRYSTOP LIGHT "FLAT & LOW"



D2164: CRYSTOP LIGHT "FLAT & COMPACT"



D2163: CRYSTOP LIGHT GLOBUS



D2166: CRYSTOP SOLOSAT "GLOBUS"