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Dish 1000.2 manual

Dish network 1000.2. Dish 1000.2 wiring diagram. Dish 1000.2 installation guide.

DISH 1000.2 Installation Instructions Attention and Warning Symbols You must be aware of safety when you install and use this system. This guide provides various procedures. If you do some of these procedures carelessly, you could injure or kill yourself or damage equipment or property. Some other procedures require special attention. Marks a procedure where the following may happen: • Personal injury or death may occur. • Equipment or property may be damaged. Marks the following issues: • Important operation or maintenance instructions follow. • Special attention is required. Important Safety Instructions You must keep safety in mind when you install and use the DISH 1000.2. Refer to the safety instructions in the installation instructions that came with your system. In this guide, the following notes tell you when you need to pay special attention: 1. 2. 3. 4. Read these instructions. Keep these instructions. Heed all warnings. Follow all instructions. Keep the following in mind when you install the DISH 1000.2: • • • Before you drill any holes in your building, make sure there are no wires or pipes near the holes. Install the equipment in accordance with the local building and electrical codes. If you aren't sure, call a licensed building inspector or electrician for help. Never install the satellite dish near power lines. Don't install the satellite dish on composite materials such as strand, chip, fiber, or particle board unless the fastener attaches securely to a wall stud, rafter, or other foundation material beneath the surface. Note to Satellite TV System Installer: This reminder is provided to call the satellite TV system installer's attention to Article 820-40 of the National Electrical Code (NEC) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical. Installation Instructions Attention! These installation instructions are intended for use by qualified professional technicians due to the complexity of the installation and compliance to national/local building and electrical codes.

DISH 500 Installation Instructions with Angles Table

INTRODUCTION

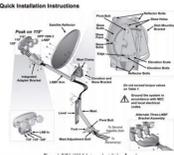
These instructions explain how to install a DISH 500 satellite dish. These instructions cover both DISH Interactive® receiver models and non-DISH Interactive® models.

- Alternate procedures apply to some models. See page 24.
- If you are replacing an existing satellite dish with a DISH 500, see page 25.
- For procedures that vary according to the system, see page 27.
- For the angles to use in aiming a DISH 500 satellite dish, see page 28.

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Overview These instructions guide you through the installation of a DISH Network DISH 1000.2 antenna, which consists of a reflector assembly and a DISH Pro Plus 1000.2 LNB.



The DISH 1000.2 is capable of receiving digital television signals from three DBS satellite locations: 110°W, 119°W, and 129°W. These instructions cover wall mounting only. For other mounting options (for example, pole mounting, or nonpenetrating mounting), see the Retailer Care Site at retailer.earthstar.com. Installation Considerations While all DISH Network satellite receivers can be connected to the DISH 1000.2, the following models may not detect and will not support the 129°W location: 1000, 2000, 3000, 4000, 5000, JVC-DVHS (IRR), and the DishPlayer 7100/7200. This installation supports Legacy receivers, but there must be at least one DISH Pro or DISH Pro Plus receiver in the installation.



Legacy receivers are receivers which do not have the DISH Pro or DISH Pro Plus logo (shown below). About the System The DISH Pro Plus 1000.2 LNB provides reception from the 110°W, 119°W, and 129°W orbital locations, and provides an LNB input port to receive programming from another satellite. The following LNB types can be connected to the LNB input port: DISH Pro Single, DISH Pro Dual, or DISH Network bandstacked LNBs. The LNB assembly supports connection of up to three satellite receivers in any of the following combinations: • Single-cable connection to DISH Pro Plus (dual-tuner) receivers, when each input is used with a DISH Pro Plus Separator. • Single-cable connection to DISH Pro receivers. • Single-cable connection to a Legacy receiver provided that a DISH Pro or DISH Pro Plus receiver is also connected and powered at all times. No DISH Pro Adapter is required. Page 1 Quick Installation Instructions DPP 1000.2 LNB Dish Mounting Bracket Mast Clamp Integrated Adapter Bracket Alternate Three-LNB Bracket Assembly 129° 119° 110° To Second Satellite Dish To Satellite Receiver(s) Figure 1. DISH 1000.2 Antenna Installation Overview 1.



2. 3. 4. 5. 6. 7. 8. 9. 10. 11.



12. 13. Find Azimuth/Elevation/Skew angles for your location (instructions on page 3 and tables on page 10). Find a location for the dish antenna with a clear line of sight and a sturdy mounting surface (page 3, step 1). Mount the mast, making sure it is absolutely vertical (page 3, steps 2 and 3). Assemble the dish antenna, setting the skew and elevation angles in the process. Use additional skew bolts for skew angles greater than 110 or less than 70 (page 3, steps 4-6). Mount the dish antenna on the mast and point the dish to the azimuth angle (page 4, step 7). Run cables between the dish antenna and the receiver(s), leaving a service loop around the Mast Clamp (page 5, step 1). Using a peaking meter attached to the DPP 1000.2 LNB PORT 1, peak the dish on 119°W using transponder 11 or higher for maximum strength. Tighten all bolts (see Table 1) and re-confirm maximum signal (page 5, steps 25). Note: The 1000.2 Three-LNB Bracket with three DP Dual (or DP Single) LNBs can be used in place of the Integrated Adapter Bracket and DPP 1000.2 LNB. Connect the receiver cable(s) to the DPP 1000.2 LNB PORT 1 (and PORT 2 and PORT 3, as necessary) (page 6, step 6) and receiver. Some restrictions apply when connecting Legacy receivers. See page 7. Run Check Switch test and confirm 110°W, 119°W, and 129°W reception (page 6, steps 7-9). Take a software

131 280XX 240 30 129 280XX 238 32 131 319XX 233 37 131 241XX 240 30 129 281XX 239 32 131 320XX 239 36 135 242XX 236 32 128 282XX 238 32 131 321XX 240 36 137 243XX 238 31 129 283XX 242 31 132 322XX 240 36 136 244XX 241 29 129 284XX 244 31 133 323XX 235 38 134 Page 13 ZIP CODE RANGE AZ EL SK ZIP CODE RANGE AZ EL SK ZIP CODE RANGE AZ EL SK 324XX 233 38 135 369XX 227 39 129 409XX 233 32 127 325XX 230 40 131 370XX 227 35 126 410XX 232 32 125 326XX 239 136 371XX 228 35 126 411XX 234 31 126 327XX 241 36 136 372XX 228 35 126 412XX 235 31 127 328XX 241 36 136 373XX 231 35 126 413XX 233 32 127 329XX 243 36 139 374XX 231 35 128 414XX 233 32 127 330XX 244 37 142 375XX 222 38 124 415XX 235 31 128 331XX 244 37 142 376XX 236 32 129 416XX 235 32 127 332XX 244 37 142 377XX 233 33 128 417XX 234 32 127 333XX 244 37 141 378XX 233 33 128 418XX 234 32 127 334XX 244 37 141 379XX 233 34 128 420XX 224 36 124 335XX 240 37 138 380XX 223 37 124 421XX 229 34 126 336XX 240 38 138 381XX 222 38 124 422XX 227 35 125 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Operation is subject to the following two conditions: 1. this device may not cause harmful interference, and 2. this device must accept any interference received, including interference that may cause undesired operation. Modifying this receiver may void your authority to use the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: • Reorient or relocate the receiving antenna. • Increase the separation between the equipment and receiver. • Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. • Consult the dealer or an experienced radio/TV technician for help. If none of the remedies stops the radio interference, you should contact a licensed radio/television technician, your satellite dealer or call the Customer Service Center at 1-800-333-3474, for assistance. Copyright Notice Copyright © 2006 EchoStar Technologies Corporation, Englewood, Colorado 80112. All rights reserved. The information in this guide may change without notice. We may issue revisions to tell you about such changes. Please send comments or questions about this guide to: Technical Publications, EchoStar Technologies Corporation, 94 Inverness Terrace East, Englewood, Colorado 80112. Email: . Part Number: 151255 Printed in the United States of America. DISH Network is a registered trademark of EchoStar Satellite L.L.C. For information about DISH Network, please visit our web site at www.dishnetwork.com. We acknowledge all product names, trade names, or corporate names we mention in this Installation Guide to be the proprietary property of the registered owners. Thank you for your participation! * Your assessment is very important for improving the workof artificial intelligence, which forms the content of this project