

Mounting Priority

1. Direct to Wall
2. Direct to Overhang
3. Fascia
4. Angled Fascia
5. Under Eave
6. Direct to Brick
7. Telescoping Wall
8. Soffit
9. Rail
10. Non-Pen
11. VERSATILE™
12. Patio
13. Pole
14. Direct to Roof

Mounting Tools

- Level
- 7/16" Wrench
- 7/16" Socket Wrench

Notes

- Key steps highlighted in red
- All lags must be tightened snug plus a quarter turn

9. Rail: NEW

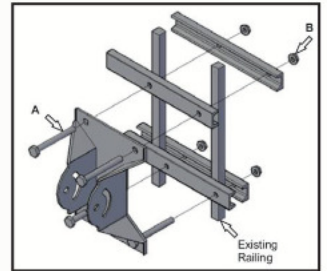
Supplies:

- Rail mount with four C-Channels
- Supplied hardware

Installation Steps:

1. **Locate sturdy railing**
2. Insert two bolts into the top holes of the footplate*
3. Slide one C-channel onto the bolts (flat side facing footplate)
4. Hold the assembly at the railing location
5. Slide the second C-channel onto the bolts
6. Thread nuts onto each of the bolts and handtighten
7. Repeat steps for the bottom section
8. **Level the mast and tighten hardware with 7/16" wrench**
9. **7/16" wrench**

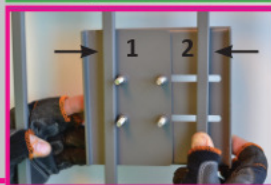
*If installation is on the outside of the railing, keep the bolts facing out



9. Rail: OLD

Supplies:

- Rail mount (plates 1, 2, 3)
- Supplied hardware



Assembly Steps:

1. Lay out all plates and hardware
2. Put plate 1 on plate 2
3. Put locking washer and 1 1/2" bolt through holes of plates 1 and 2
4. Place plate 3 onto plates 1 and 2 assembly
5. Lightly tighten nuts (for transport)
6. Place locking washer and nuts on plate 3, lightly tighten (for transport)

Installation Steps:

1. **Locate sturdy railing**
2. Disassemble plate 3 from plates 1 and 2
3. Clamp plates 1 and 2 around rail
4. Insert plate 3 on bolts of 1 and 2
5. Level the rail mount
6. Tighten nuts with 7/16" wrench
7. Attach footplate to plate 3 with locking washers and nuts
8. **Level mast and tighten hardware with 7/16" wrench**
9. Place dish on mast

10. Non-Pen

Supplies:

- Non-pen mount base
- Supplied hardware
- Rubber mat
- Cap blocks

Assembly Steps:

1. Take out mount
2. Attach mast/footplate to mount, so LNBF will be opposite ballast
3. Take out appropriate number of blocks

Installation Steps:

1. **Locate suitable location**
2. Transport mount, mat, and blocks
3. Place mat on mounting location
4. Place mount on mat
5. Place cap blocks on mount
6. **Level mast and tighten hardware with 7/16" wrench**
7. **7/16" wrench**
8. Place dish on mast



Dish	Cap Blocks	Mast
D500	6	Short
1000.2	6	Short
1000.4	7	Short
D500+/1000+/ Super Dish	9	Long w/ struts

11. VERSATILE™

Supplies:

- VERSATILE™ mount
- Supplied hardware

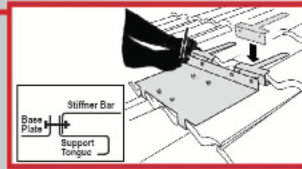
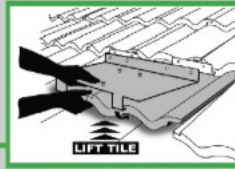


Assembly Steps:

1. Align the footplate with the base plate
2. Use the supplied hardware to attach footplate

Installation Steps:

1. Locate a suitable mounting location
 - Two rows from the edge
 - Clear 2' on all sides of mount
 - No broken/damaged tiles
2. Lift the tile in the row above
3. Slide the support tongue until it hooks on the tile below
4. Lower the tile and repeat with other support tongue
5. Place the base in selected location
6. Lift the tile that the base is sitting on and slide the hooks under the tile
7. Place stiffener bar on top of the tongue
8. Insert the bolt through the base plate, support tongue, and stiffener bar
9. Place a locking washer and nut on the bolt
10. **Tighten with 7/16" wrench until the mast is level (do not over tighten)**
11. Place dish on mast



13. Pole: Preparation

Supplies:

- Non-Pen mount
- Cap blocks
- Burial cable
- Sweep
- White flags
- 3' jumper with barrel and terminator



Assembly Steps:

1. Route burial cable through sweep
2. Attach burial cable and jumper to LNBF

Installation Steps:

1. Place non-pen mount in pole mount location
2. Route orange burial cable to house, leaving 5' of extra cable near dish
3. **Place flags at mount site, along burial cable, and in a backup location**
 - Backup location should be 7' to 10' away
 - Flags spaced every 6' and inserted 4" deep
 - Minimum of three flags per location
4. Finish the installation
5. **Call DigSafe (811), get date and confirmation number (during receiver download)**
6. Talk to customer about pole mount appointment
7. Call CSC to set up new work order

12. Patio

Supplies:

- Patio mount
- Rubber mat (if mount does not have rubber base)
- Cap blocks

Assembly Steps:

1. Take out mount
2. Take out appropriate number of blocks
3. Assemble the entire patio mount

Installation Steps:

1. Locate suitable mount location
2. Transport mount and blocks
3. Place mat on mounting location (if applicable)
4. Place mount at mounting location so LNBF is opposite ballast
5. Place cap blocks on mount
6. **Level mast and tighten hardware with 7/16" wrench**
7. Place dish on mast

Dish	Cap Blocks
D500	6
1000.2	6
1000.4	9
D500+/D1000+/Super Dish	9



13. Pole

Supplies:

- Pole
- Shovel
- Two 50 lb. bags concrete
- Two gallons water in bucket

Installation Steps:

1. Unplug the receiver
2. Double-check no other mount can be used
3. **Verify area is marked with clear LOS**
4. Carefully place dish with attached burial cable on the ground
5. Bring temporary mount back to vehicle and all pole mount supplies to the mount site
6. Dig the hole 3' x 7', unless in a 4' market
7. Pour one 50-lb. bag of concrete in the hole
8. Pour one gallon of water in the hole
9. Repeat with the second 50-lb. bag of concrete
10. Slightly stir the concrete with the pole
11. **Level the pole and let concrete dry**
12. Starting at the house, dig a trench, run burial cable, and cover with dirt
13. Verify pole is still level once concrete is dry
14. Place dish on mast
15. Attach sweep to pole with zip ties
16. Fill hole with dirt
17. Attach cable to pole with zip ties

