#### **END-TO-END INSTALLATION & PHOTO REQUIREMENTS**

## Viasat \*



END-TO-END INSTALLATION & PHOTO REQUIREMENTS

## Viasat **v**





- Show indoor portion of cable run, from POE to IDU
- Show location of IDU proving:
- That it is indoors (near a desk, shelf, etc.)
- That it is in a place with adequate air flow
  Show that correct cable type has been used in the installation
  - Approved Plenum Use if the building forced air return is circulating or open
  - Approved (Non-plenum) RG6 Coax Use in other instances
  - Complete Exede Business cable details are available on the <u>eGuide</u>





- Viasat \*
- Install on an approved, structurally sound, flat roof only
- Use a protective mat
- ODU is at least 3' from electrical panel and 20' from power lines
- Use only approved and matching ODU hardware
- If using monopoles, position the collars 2" below the bend, at a downward angle, forming a tripod.
- Zip-tie cable to the mast, including a 6" diameter service loop
- Connect messenger/ground wire to either:
  - A galvanized strap on the mast, or
  - A green ground screw on the footplate
- Use a minimum of eight 28-pound cinder blocks for ballast
- Tighten all hardware completely



- Attach to an approved, structurally sound surface (load bearing wall, 28" away from corner/door/window/top of wall, no chimneys)
  - Mount antenna at least 5' above walking surface
- ODU is at least 3' from electrical panel and 20' from power lines
- Use only approved and matching ODU hardware
- Secure footplate using four 2" lags in corner holes and proper anchors
- Position monopoles 2" below the bend, at an upward angle, forming a tripod
- Monopole plates secured by two 2" lags, using proper anchors
- Lags must not be drilled into mortar, or more than two lags in one brick
- Seal all drilled holes with silicone
- Zip-tie cable to the mast, including a 6" diameter service loop
- Connect messenger/ground wire to a green ground screw on the footplate
- Tighten all hardware completely



#### POLE MOUNT

- Install in stable, solid ground
- Use an approved pole:
  - 2" OD, 9 gauge, or
  - 2 3/8" OD, Schedule 40
- Pole must be galvanized, have an anti-spin device, and 96" in length
- Install antenna at least 5' above walking surface, and photo displays measuring tape for entire pole length
- Use 150 lbs. of concrete (3 bags)
- Use 2 sweeps (1 at pole, 1 at house)
- If non-flooded cable is used, it must be buried in conduit
- Zip-tie cable to the pole, including a 6" diameter service loop
- Connect the messenger/ground wire to a galvanized ground strap
- Tighten all hardware completely
- HOLE
- The hole must measure 36" from the bottom to the top
- Hole should appear 12" in diameter and bellshaped at the bottom



- Attach to an approved, structurally sound surface (wood or composite siding only)
- Mount antenna at least 5' above walking surface
- ODU is at least 3' from electrical panel and 20' from power lines
- Use only approved and matching ODU hardware
- Secure the footplate to the wall with:
   Two 3" lags through center holes into
  - Four 2" lags through corner holes
- Position monopoles 2" below the bend, at an upward angle, forming a tripod
- Secure monopole plates to adjacent studs using two 3" lags
- Seal all drilled holes with silicone

stud

- Zip-tie cable to the mast, including a 6" diameter service loop
- Connect the messenger/ground wire to a green ground screw on the footplate
- Tighten all hardware completely



**MOUNT TYPES** 

# Viasat

- Attach to an approved, structurally sound surface (asphalt shingles only, sloped roof, close to the roof's edge, ideally not over living space)
- ODU is at least 3' from electrical panel and 20' from overhead power lines
- Use only approved and matching ODU hardware
- Secure the footplate to the roof with:
  - Two 3" lags through center holes into rafter
  - Four 2" lags through corner holes
- Position monopoles 2" below the bend, at a downward angle, forming a tripod
- Secure monopole plates to adjacent rafters using two 3" lags
- Seal all drilled holes with tar-based sealant
- Zip-tie cable to the mast, including a 6" diameter service loop
- Connect the messenger/ground wire to a green ground screw on the footplate
- Tighten all hardware completely

## LOW PROFILE "STUB" MOUNT



- Attach to an approved, structurally sound surface:
  - Sloped roofs only
  - Asphalt shingles only
  - Close to the roof's edge
  - Ideally not over living space
- ODU is at least 3' from electrical panel and 20' from power lines
- Use only approved and matching ODU hardware
- Secure the footplate to the roof with:
   Two 3" lags through center holes into
- rafter
- Four 2" lags through corner holes
- Seal all drilled holes with tar-based sealant
- Zip-tie cable to the mast, including a 6" diameter service loop
- Connect the messenger/ground wire to a green ground screw on the footplate
- Tighten all hardware completely



- Attach to an approved, structurally sound surface (wood or composite siding only, southern-facing corner, avoid touching the eave/roof with antenna)
- Mount antenna at least 5' above walking surface
- ODU is at least 3' from electrical panel and 20' from power lines
- Use only approved and matching ODU hardware
- Secure the footplate to a corner stud with:
  - Two 6" lags on S-tube
  - Two 3" lags on L-bracket
- Seal all drilled holes with silicone
- Zip-tie cable to the mast, including a 6" diameter service loop
- Connect messenger/ground wire to a galvanized strap or green ground screw
- Tighten all hardware completely