

AL1 and AL2 ACCESSORY GUIDE

Tool-less Solutions

BlueSky Mast's suite of patented interchangeable tool-less accessories allow you to easily adapt to changing requirements which give our systems ultimate versatility and strategic value. Our innovative designs completely remove the need for tools, simplifying platform construction and reducing training time and man power requirements. The end result is a faster, highly effective mast deployment.

GUY KITS

GROUNDING

TOP PLATES & ADAPTORS

SIDE ARM KITS & MOUNTS

POLE MOUNTS & BRACKETS



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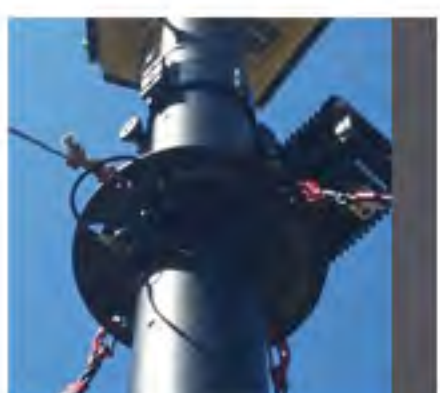
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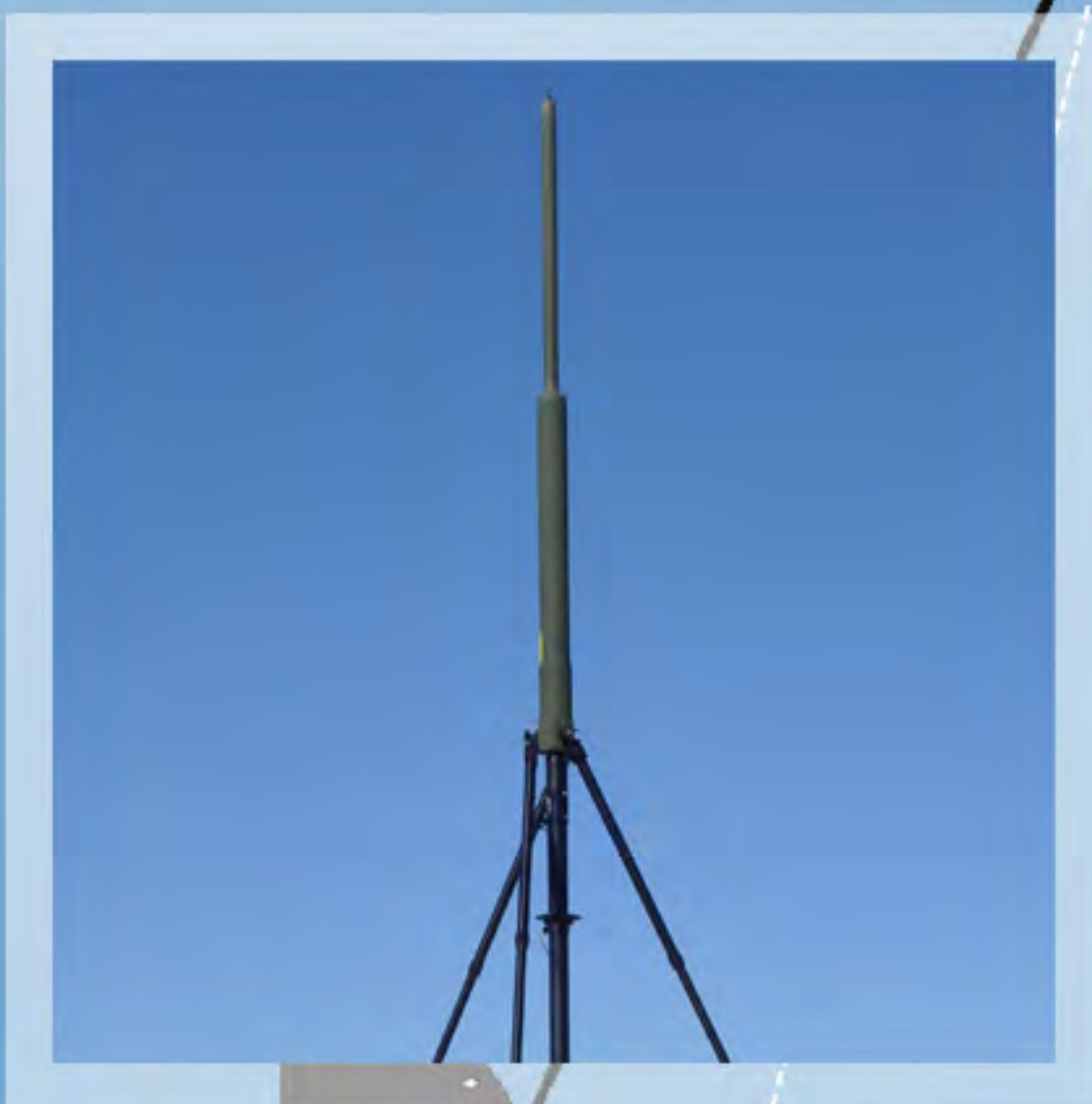


Guy Kits

19-20

Top Plates & Adaptors

BlueSky Mast offers a full suite of quick release top plates and adaptors for all types of antennas, cameras and devices. Each of the mounting options includes a quick release pin-on adaptor that mounts directly to the mast system mounting pole, which eliminates the need for tools in the field. These quick release adaptors allow for fast and easy installation and increased flexibility for warfighters who have to mount multiple devices on a single mast.





Top Plates & Adaptors

These accessories attach to the mounting pole on the top of an AL1 or AL2 mast system *(Based on system height and payload).*



OE-254 & COM201 Antennas
BSM2-K-M400-OE2-000



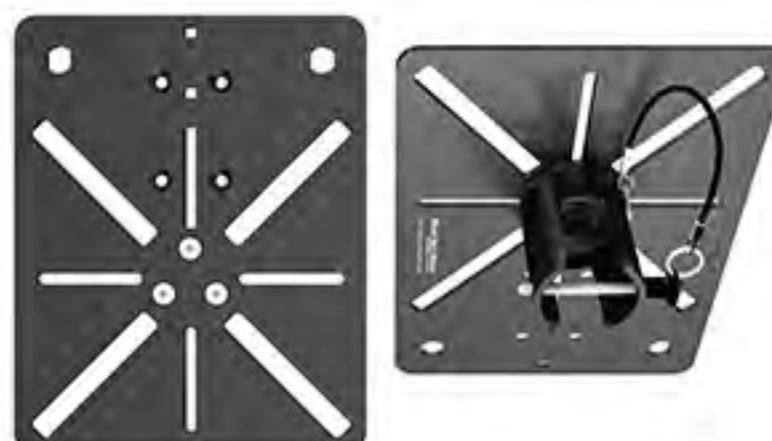
Manual Tilt Assembly with Mounting Pole
BSM2-K-M650-TLT-000
(+/- 22 Degrees Tilt Angle Adjustment)



Pan & Tilt for Quickset QPT & FLIR
BSM2-A-M460-MPP-00A



Cross Pattern 6x6 Inches
BSM2-A-M550-MPP-00A



Cross Pattern 8x10 Inches
BSM2-A-M408-MPP-00A



NATO - SINCGARS - EPLRS
BSM2-A-M305-NT0-00A



Solid 7.5x7.5
BSM2-A-M407-MPP-00A



Solid 11.5x11.5
BSM2-A-M411-MPP-00A



Radar 8x11
BSM2-A-M400-MPP-RDA



Top Plates & Adaptors

These accessories attach to the mounting pole on the top of an AL1 or AL2 mast system *(Based on system height and payload).*



KVH TracPhone TPV 3-7, TVHD 11
BSM2-K-M309-MPP-TRC



Cisco 1500 Series
BSM2-A-M410-CSC-00A



Tampa Microwave
BSM2-A-M410-MPA-TML



G2 Magnetic Mount
BSM2-A-M325-MAG-00A



BMS GPS & RF Tracking, GTA 17/58
BSM2-A-M365-BMS-00A



Pipe Mount for 1-2 Inch Antennas
BSM2-A-M420-MPA-000



Mobile Mark Omni Antenna
BSM2-A-M718-MPP-00A



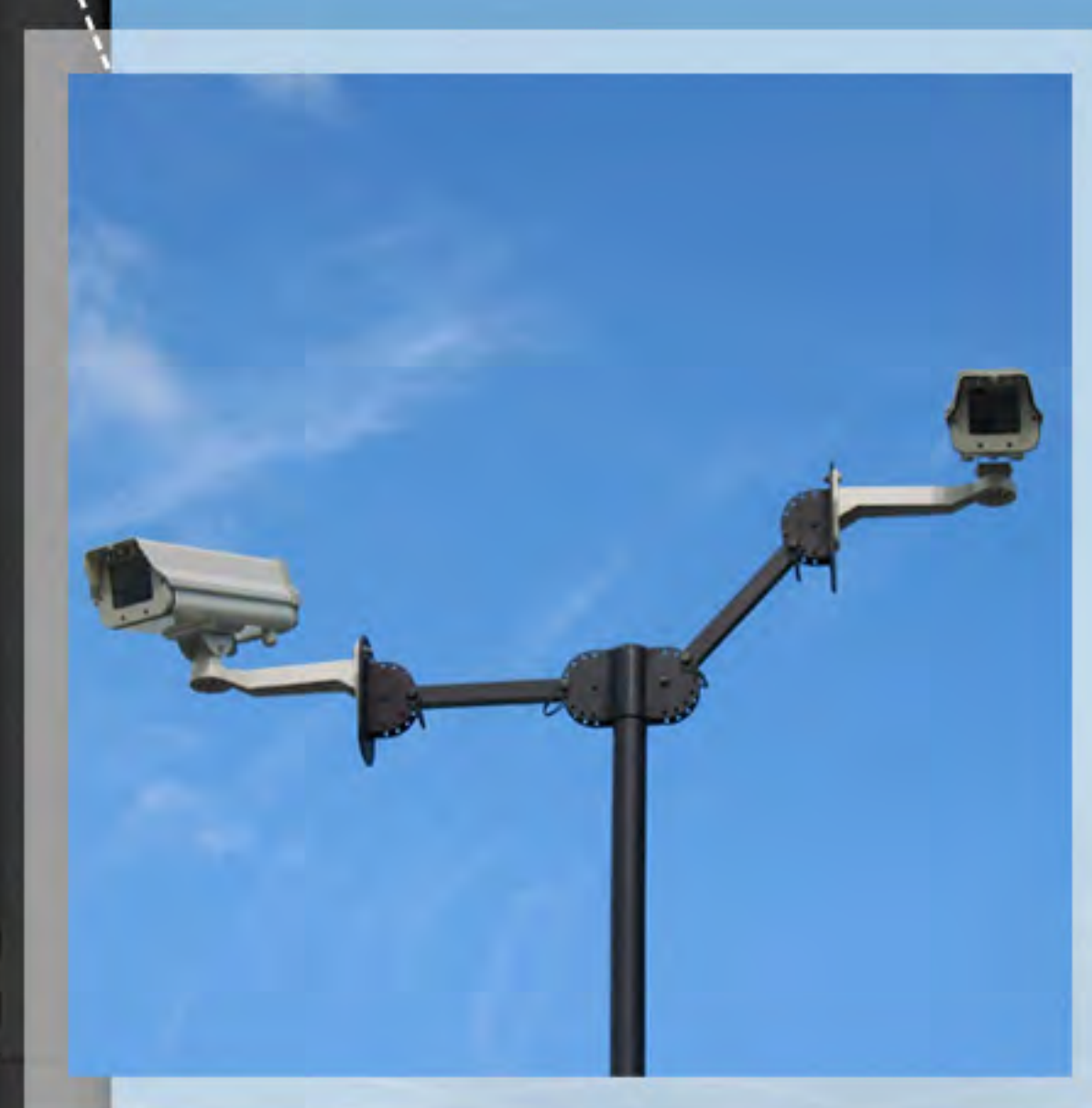
PSL / DF Device
BSM2-A-M415-MPP-00A



Pin On Threaded Adaptor
BSM2-A-P-M510-PIN-000

Side Arm Kits & Mounts

BlueSky Mast offers a full suite of side arm kits and mounts. Based on your separation requirements, we have multiple arm lengths and a variety of side mounts which include a quick release push pin for fast and easy installation.





Side Arm Kits

These Side Arm Kits can be mounted anywhere on an AL1 or AL2 mast system *(Based on system height and payload).*

DUAL

STRAIGHT ARM KIT - DUAL - COM201/OE-254



(1) Side Arm Mount - 1 in. COM201 / OE-254
P/N: BSM2-K-M400-OE2-EM0

(1) AL1 / AL2 Pole Mount - Two sided
P/N: BSM2-P-A352-T00-100

This kit includes two insulated adaptors that work with both COM201 and OE-254 antennas.



ARM LENGTH

PART NUMBER

44 in.

BSM2-K-A352-S44-OE2

(2) Straight Arm Bracket w/1 in. Side Arm (44 in.)
P/N: BSMU-P-A344-ARM-10S

DUAL

STRAIGHT ARM KIT - DUAL - NATO



(1) AL1 / AL2 Pole Mount - Two sided
P/N: BSM2-P-A352-T00-100

(1) Side Arm Mount - 1 in. NATO-SINGARS-EPLRS
P/N: BSM2-A-M305-NT0-EM0



ARM LENGTH (Inches)

PART NUMBER

24 in.

BSM2-K-A352-S24-NT0

36 in.

BSM2-K-A352-S36-NT0

44 in.

BSM2-K-A352-S44-NT0

(2) Straight Arm Bracket w/1 in. Side Arm (44 in.)
P/N: BSMU-P-A344-ARM-10S

DUAL

ARTICULATING ARM KIT - DUAL w/BOLSTER PLATE

(1) AL1 / AL2 Pole Mount - Two sided
P/N: BSM2-P-A352-T00-100

(2) Slotted Side Arms (6 to 36 in.)
P/N: BSM2-P-A3XX-ARM-100

(2) Articulating Arm Brackets
P/N: BSMU-P-A3XX-ARM-10S

(2) Side Arm Mounts - 1 in. - Bolster Plates
P/N: BSM2-P-A101-EM0



ARM LENGTH (Inches)

PART NUMBER

6 in. ARM X 2

BSM2-K-A352-T06-BOL

12 in. ARM X 2

BSM2-K-A352-T12-BOL

24 in. ARM X 2

BSM2-K-A352-T24-BOL

36 in. ARM X 2

BSM2-K-A352-T36-BOL



Side Arm Kits

These Side Arm Kits can be mounted anywhere on an AL1 or AL2 mast system *(Based on system height and payload).*

SINGLE



- (1) AL1/AL2 Pole Mount - Two Sided
P/N: BSM2-P-A352-T00-000
- (1) Straight Arm Bracket w/1 in. Side Arm (6 to 44 in.)
P/N: BSMU-P-A3XX-ARM-10S

NOT INCLUDED: 1 in. Side Arm Mount *(See optional side arm mounts)*

STRAIGHT ARM KIT - SINGLE - NO SIDE MOUNT

ARM LENGTH (Inches)	PART NUMBER
6 in.	BSM2-K-A351-S06-100
12 in.	BSM2-K-A351-S12-100
24 in.	BSM2-K-A351-S24-100
36 in.	BSM2-K-A351-S36-100
44 in.	BSM2-K-A351-S44-100

DUAL



- (1) AL1/AL2 Pole Mount - Two Sided
P/N: BSM2-P-A352-T00-000
- (2) Straight Arm Bracket w/1 in. Side Arm (6 to 44 in.)
P/N: BSMU-P-A3XX-ARM-10S

NOT INCLUDED: 1 in. Side Arm Mount *(See optional side arm mounts)*

STRAIGHT ARM KIT - DUAL - NO SIDE MOUNT

ARM LENGTH (Inches)	PART NUMBER
6 in.	BSM2-K-A352-S06-100
12 in.	BSM2-K-A352-S12-100
24 in.	BSM2-K-A352-S24-100
36 in.	BSM2-K-A352-S36-100
44 in.	BSM2-K-A352-S44-100

THREE WAY



- (1) AL1/AL2 Pole Mount - Three Sided
P/N: BSM2-P-A353-T00-000
- (3) Straight Arm Bracket w/1 in. Side Arm (6 to 44 in.)
P/N: BSMU-P-A3XX-ARM-10S

NOT INCLUDED: 1 in. Side Arm Mount *(See optional side arm mounts)*

STRAIGHT ARM KIT - THREE WAY - NO SIDE MOUNT

ARM LENGTH (Inches)	PART NUMBER
6 in.	BSM2-K-A353-S06-100
12 in.	BSM2-K-A353-S12-100
24 in.	BSM2-K-A353-S24-100
36 in.	BSM2-K-A353-S36-100
44 in.	BSM2-K-A353-S44-100



Side Arm Mounts

These Side Arm Mounts can be used with all AL1 or AL2 side arm kits *(Based on system height and payload).*



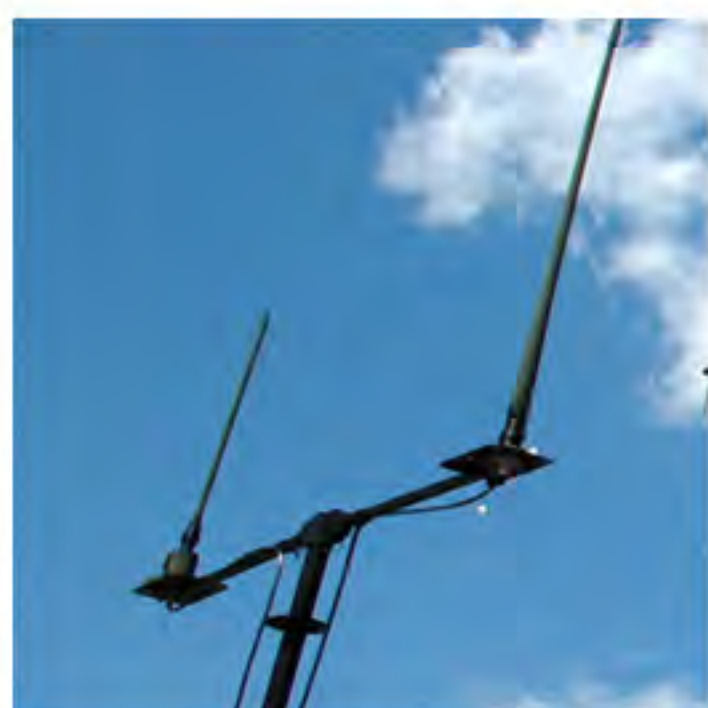
Adjust to fit antennas with an
OD of .75 to 2.0 inches

Omni Antenna .75 to 2.0 Inch
BSMU-P-A112-OMN-EM0



Adjust to fit antennas with an
OD of 2.0 to 3.5 inches

Omni Antenna 2.0 to 3.5 Inch
BSMU-P-A350-OMN-EM0



NATO - SINGARS - EPLRS
BSM2-A-M305-NT0-EM0



OE-254 & COM201 Antennas
BSM2-K-M400-OE2-EM0

This insulated adaptor works with both
COM201 and OE-254 antennas.

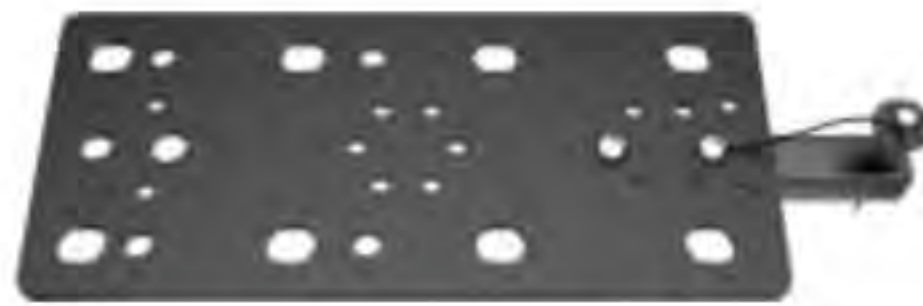


Side Arm Mounts

These Side Arm Mounts can be used with all AL1 or AL2 side arm kits *(Based on system height and payload).*



Cross Pattern 8x10
BSM2-A-M408-MPP-EMO



Cisco 1500 Series
BSM2-A-M410-CSC-EMO



Solid 7.5x7.5
BSM2-A-M407-MPP-EMO



Bolster Plate
BSM2-P-A101-BOL-EMO



Adjustable Cup Holder
BSM2-P-A100-CUP-EMO



Solid 11.5x11.5
BSM2-A-M411-MPP-EMO



Boltster Plate - Magnetic
BSM2-P-A101-BOL-MGO



G2 MAG MOUNT
BSM2-A-M325-MAG-EMO



GPS Antenna
BSMU-A-M375-GPS-EMO

Pole Mounts & Plate Brackets

BlueSky Mast's patented interface (*slide lock technology*) allow warfighters to easily attach and remove devices to our universal pole mount, which can be secured anywhere on the mast from the base to the top.





Pole Mounts

The pole mounts below can be attached anywhere on our AL1 or AL2 Mast Systems. **NOT compatible with our AL3 Mast Systems.**

Pole Mount - Two Sided - BSM2-P-A352-T00-000



Patented BlueSky Mast Interface



Pole Mount - Three Sided - BSM2-P-A353-T00-000



Patented BlueSky Mast Interface





Plate Brackets

These plate brackets can be mounted anywhere on the mast using our 2 or 3 sided pole mounts.

FRONT OF PLATE

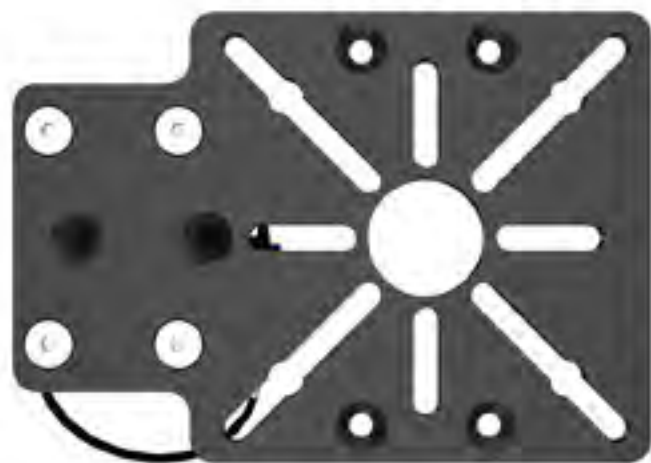
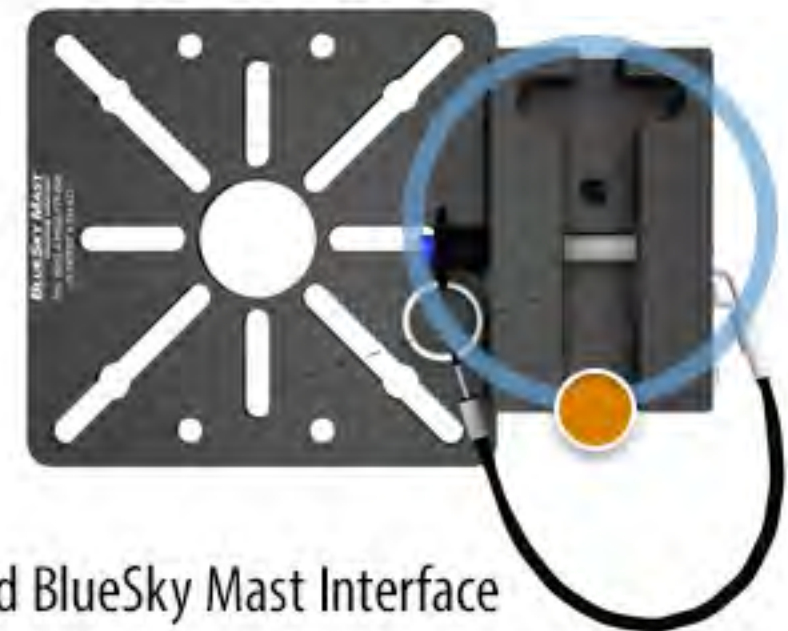
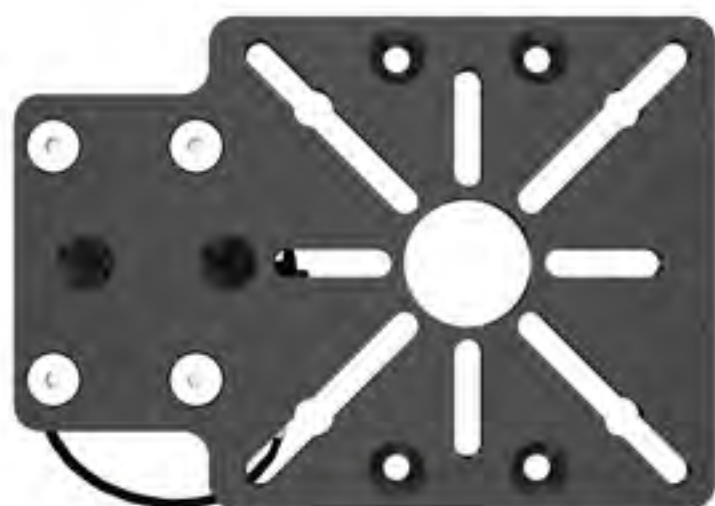


PLATE BRACKET ON POLE MOUNT

BACK OF PLATE



Patented BlueSky Mast Interface



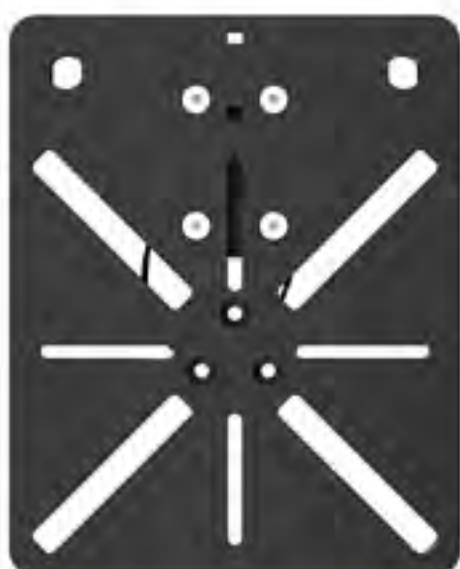
Universal PTP Plate
BSM2-A-M900-PTP-BRK



Cisco Aironet 1520 Series
BSM2-A-M524-CSC-BRK



Ultra TCS 245 Radio
BSMU-A-M850-TCS-BRK



Cross Pattern 8x10 Inch
BSM2-A-M408-MPP-BRK



Omni Bracket .75 to 2.0 Inch OD
BSMU-P-A112-OMN-BRK



Omni Bracket 2.0 to 3.5 Inch OD
BSMU-P-A350-OMN-BRK

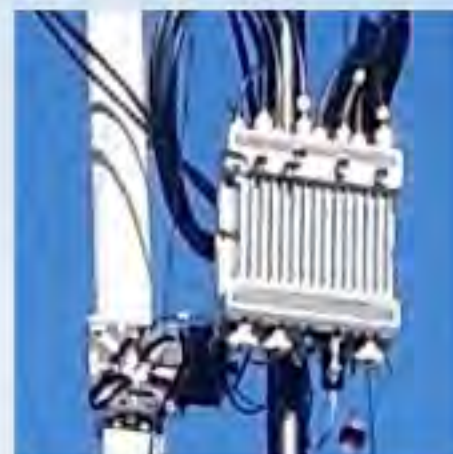


Plate Brackets

These plate brackets can be mounted anywhere on the mast using our 2 or 3 sided pole mounts.



GD Fortress ES Series
BSM2-A-M520-GDF-BRK



Ultra TCS Antennas
BSMU-P-A860-TCS-BRK



Motorola PTP Radio & LPU
BSM2-A-M415-MOT-BRK



Hoffman NEMA Enclosures
BSM2-A-M412-HFM-BRK



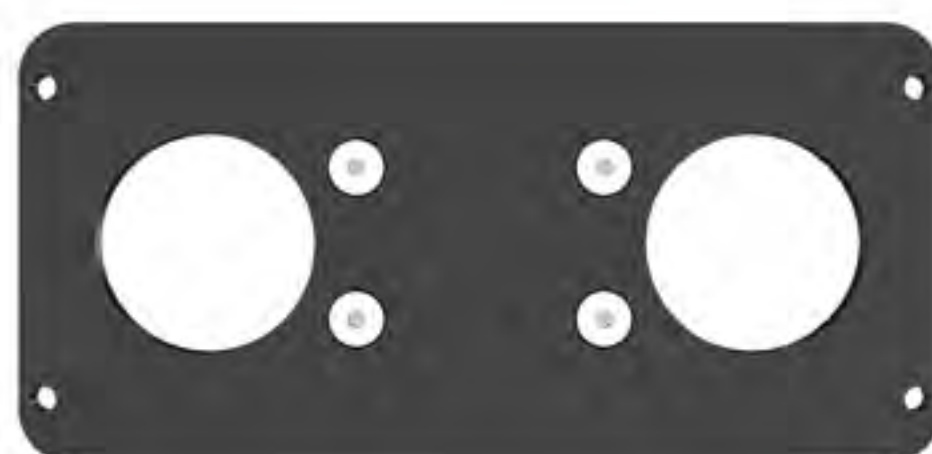
Radiowaves 2ft. Parabolic Antenna
BSM2-A-M502-MPP-BRK



Mobile Mark 120 Sec Antenna
BSMU-A-M710-MMA-BRK



Tampa Micro Satellite Simulator
BSM2-A-M410-MPA-TM2



Rajant Ethernet Radio
BSMU-A-M585-RAJ-BRK



AirGrid M Antennas
BSM2-A-M560-MPP-BRK



Plate Brackets

These plate brackets can be mounted anywhere on the mast using our 2 or 3 sided pole mounts.



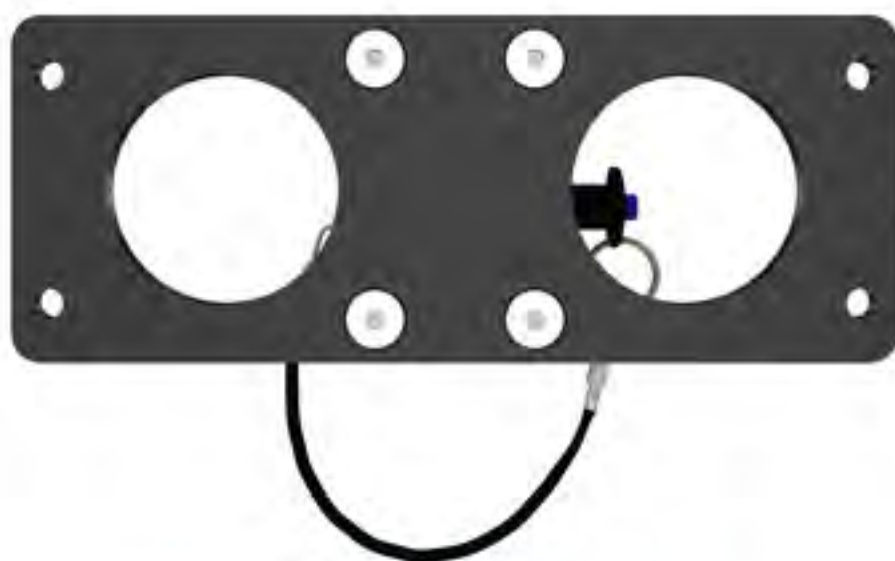
PC Tel Sector Antenna SP4959
BSMU-A-M705-PCT-BRK



Hyperlink - L-Com Panel Antenna
BSM2-A-M700-MPP-BRK



GD V6 eNode B
BSMU-A-M411-EN6-BRK



Rajant Breadcrumb Radio
BSMU-A-M580-RAJ-BRK



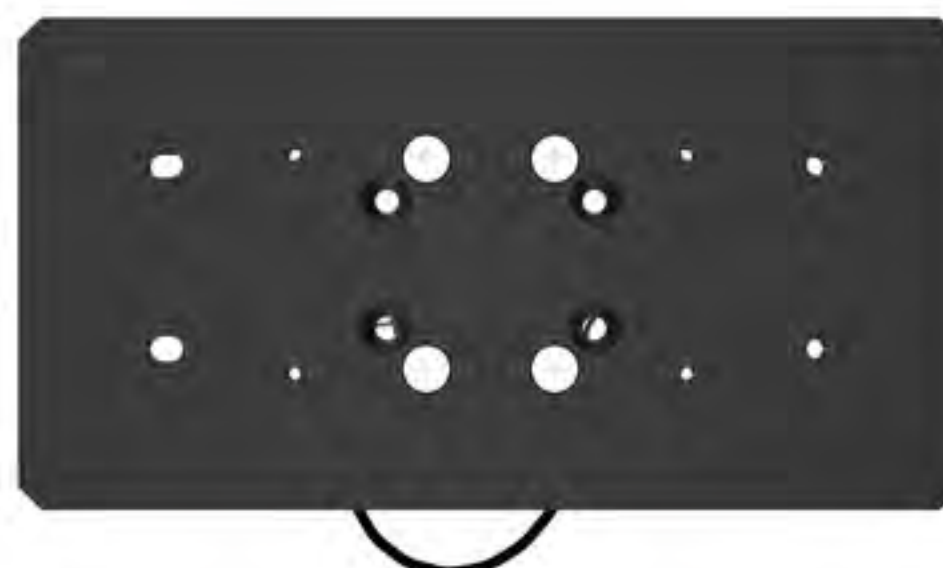
Solid 7.5x7.5
BSM2-A-M407-MPP-BRK



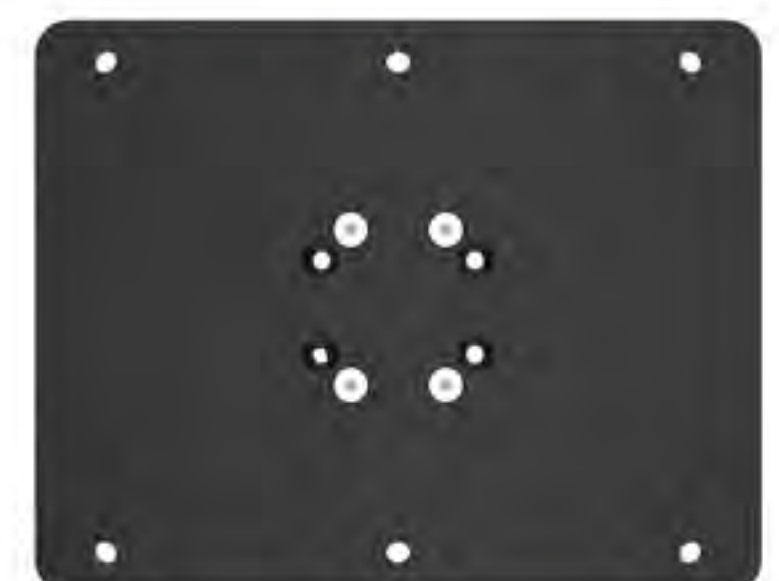
Solid 11.5x11.5
BSM2-A-M411-MPP-BRK



Rajant PC Tel Sector Antenna
BSMU-A-M587-RAJ-BRK



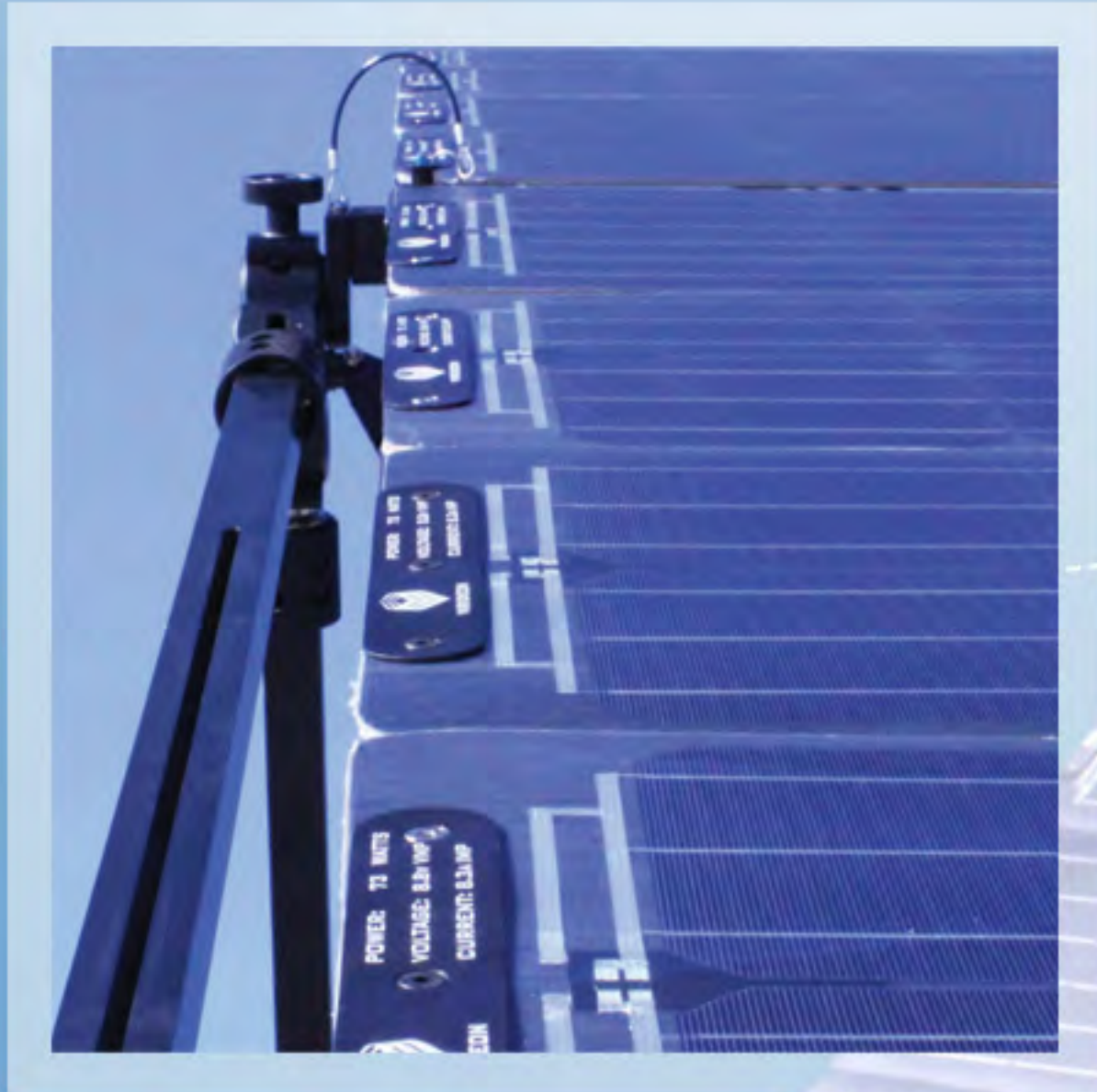
BKT-11 QUAD and MPU3
BSM2-A-M811-BKT-BRK



C2M2 Transceiver
BSMU-A-M525-C2M-BRK

Tactical Solar Kit

The next generation of expeditionary power specifically designed for mobile applications operating in harsh remote locations.



VIRIDEON



Tactical Solar Kit

Sustainable, scalable power



VIRIDEON



LIGHT - 600 WATT

Part No: BSV-SK-SYS-584L-000

FEATURES

- (8) 75 watt panels
- 2.7 Kwh daily average solar output
- Lightweight shatterproof composite panels
- Key hole locking system for tool-less panel mounting
- Easy angle adjustment allows for manual solar tracking

MECHANICAL

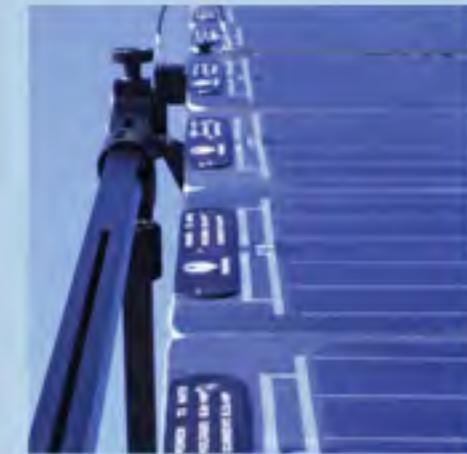
- Maximum dimensions deployed: 10' x 5' x 4.5'
- Dimensions packed: 61" x 21" x 14"
- Wind rating: 70 mph
- Angle adjustment: 180 degrees
- Deployment time: 15 minutes

SOLAR PANEL SPECS

- Maximum Power: 600 Watts
- Max Power Voltage: 35VDC
- Max Power Current: 17.2A
- Open Circuit Voltage: 42VDC
- Total Area Module Efficiency: >19%

TRANSPORT

- Custom Hard Case: 62 x 21 x 14 inches



Tactical Solar Kit

Sustainable, scalable power



VIRIDEON



ULTRA LIGHT - 300 WATT

Part No: BSV-SK-SYS-292U-000

FEATURES

- (4) 75 watt panels
- 1.4 Kwh daily average solar output
- Lightweight shatterproof composite panels
- Key hole locking system for tool-less panel mounting

MECHANICAL

- Maximum dimensions deployed: 6.25' x 5' x 4'
- Dimensions packed: 58" x 19" x 11"
- Wind rating: 70 mph
- Angle adjustment: 90 degrees
- Deployment time: 5 minutes

ULTRA LIGHT - 600 WATT

Part No: BSV-SK-SYS-584U-000

FEATURES

- (8) 75 watt panels
- 2.7 Kwh daily average solar output
- Lightweight shatterproof composite panels
- Key hole locking system for tool-less panel mounting

MECHANICAL

- Maximum dimensions deployed: 12.5' x 10' x 8'
- Dimensions packed: 58" x 19" x 11"
- Wind rating: 70 mph
- Angle adjustment: 90 degrees
- Deployment time: 10 minutes

SOLAR PANEL SPECS (BOTH 300 & 600 WATT)

- Maximum Power: 600 Watts
- Max Power Voltage: 35VDC
- Max Power Current: 17.2A
- Open Circuit Voltage: 42VDC
- Total Area Module Efficiency: >19%

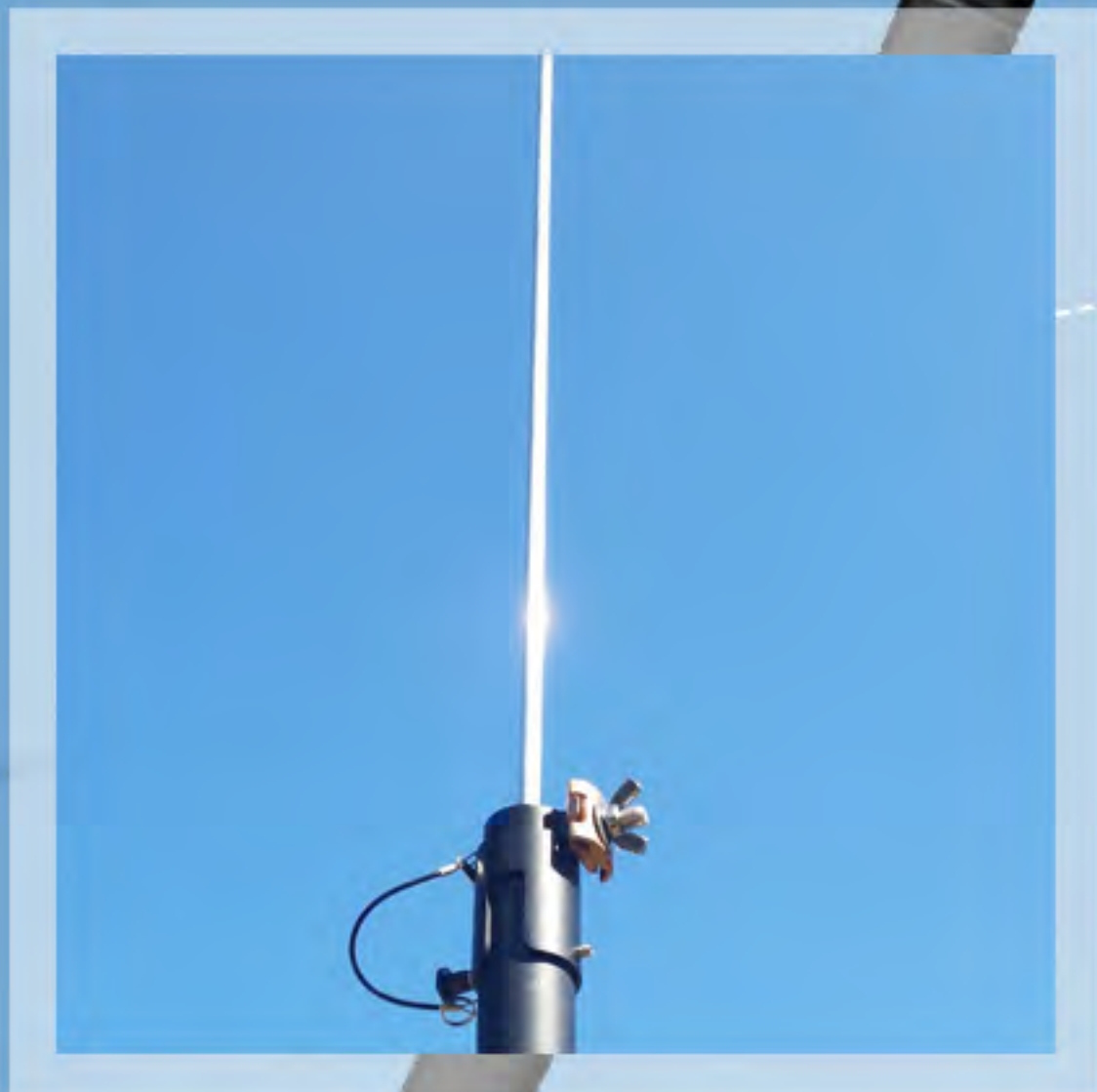
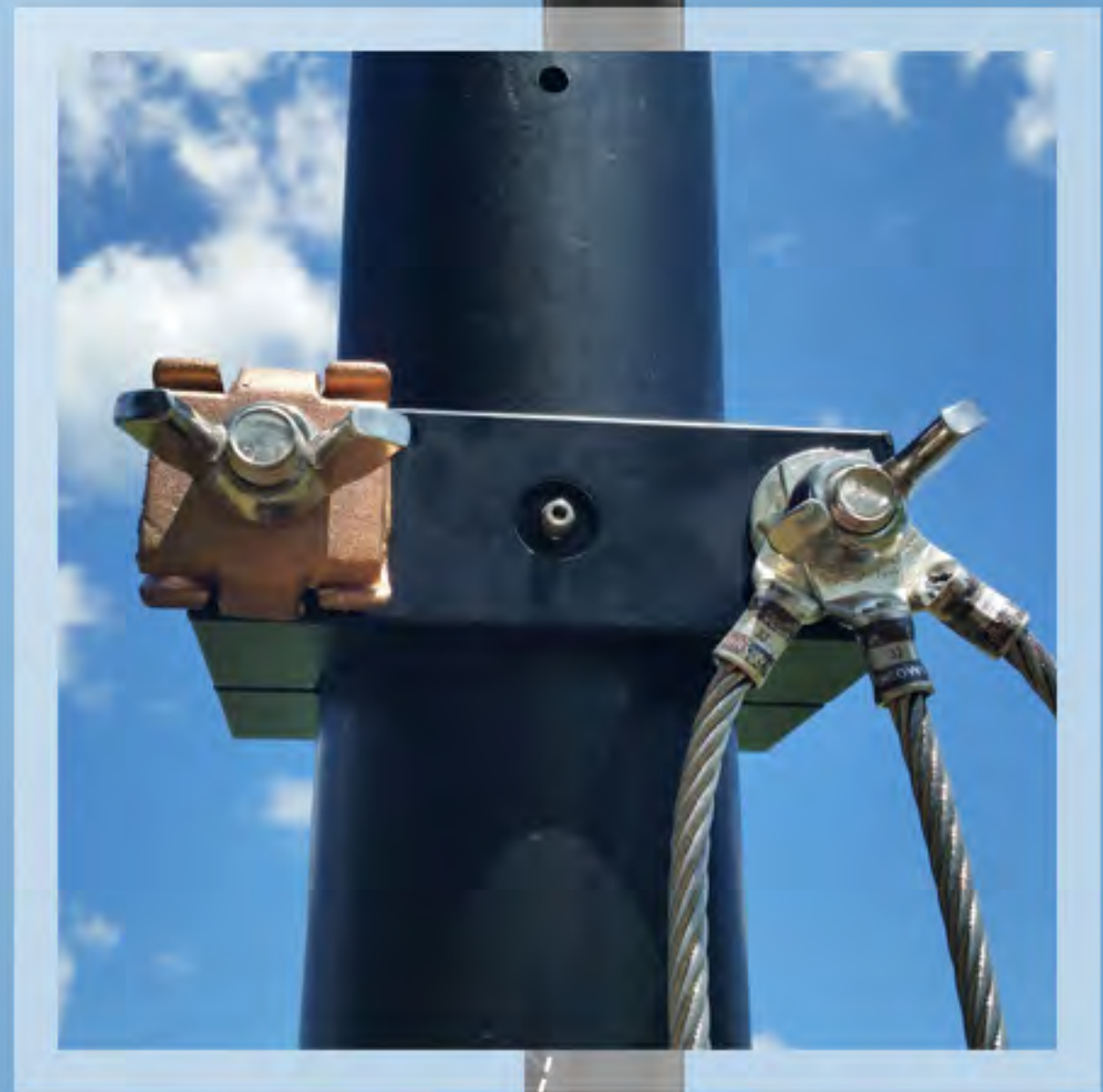
TRANSPORT (BOTH 300 & 600 WATT)

- Custom Hard Case:
57.5 x 18.5 x 11.5 inches



Certified Grounding & Lightning Protection

BlueSky Mast has created a suite of certified grounding accessories that enable you to protect your equipment and more importantly your personnel from static discharge and high voltage equipment surges. Our portable mast platforms, when combined with our surface wire grounding kit, have been tested and certified to provide lightning protection equivalent or better than driving an 8 ft. copper rod into the ground.





Certified Grounding & Lightning Protection

Protect your equipment with grounding and lightning components from BlueSky Mast.

GROUNDING



Surface Wire Grounding Kit - AL1 & AL2
BST2-K-L104-GND-000



LIGHTNING PROTECTION



Pin On Lightning Air Terminal - AL1 & AL2
BST2-K-L102-GND-000



Guy Kits

BlueSky Mast offers color-coded primary and secondary guy kits with free spinning guy rings that allow the mast to be rotated 360 degrees after deployment. The guy rope is made of Spectra Cord, a woven fiber 10 times stronger than common cable.





Guy Kits

PRIMARY GUY KITS



Primary Guy Ring



Qty: (4) Primary Guy Ropes



Qty: (4) Guy Stakes

METERS	PART NUMBER
2 METERS	BSM2-K-G602-PRI-RED
3 METERS	BSM2-K-G603-PRI-RED
4 METERS	BSM2-K-G604-PRI-RED
5 METERS	BSM2-K-G605-PRI-RED
6 METERS	BSM2-K-G606-PRI-RED
7 METERS	BSM2-K-G607-PRI-RED
8 METERS	BSM2-K-G608-PRI-RED
9 METERS	BSM2-K-G609-PRI-RED
10 METERS	BSM2-K-G6010-PRI-RED
11 METERS	BSM2-K-G6011-PRI-RED
12 METERS	BSM2-K-G6012-PRI-RED
13 METERS	BSM2-K-G6013-PRI-RED
14 METERS	BSM2-K-G6014-PRI-RED
15 METERS	BSM2-K-G6015-PRI-RED

SECONDARY GUY KITS



Secondary Guy Ring



Qty: (4) Secondary Guy Ropes



Qty: (4) Guy Stakes

METERS	PART NUMBER
2 METERS	BSM2-K-G602-2ND-BLU
3 METERS	BSM2-K-G603-2ND-BLU
4 METERS	BSM2-K-G604-2ND-BLU
5 METERS	BSM2-K-G605-2ND-BLU
6 METERS	BSM2-K-G606-2ND-BLU
7 METERS	BSM2-K-G607-2ND-BLU
8 METERS	BSM2-K-G608-2ND-BLU
9 METERS	BSM2-K-G609-2ND-BLU
10 METERS	BSM2-K-G6010-2ND-BLU
11 METERS	BSM2-K-G6011-2ND-BLU
12 METERS	BSM2-K-G6012-2ND-BLU
13 METERS	BSM2-K-G6013-2ND-BLU
14 METERS	BSM2-K-G6014-2ND-BLU
15 METERS	BSM2-K-G6015-2ND-BLU