

AL3 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

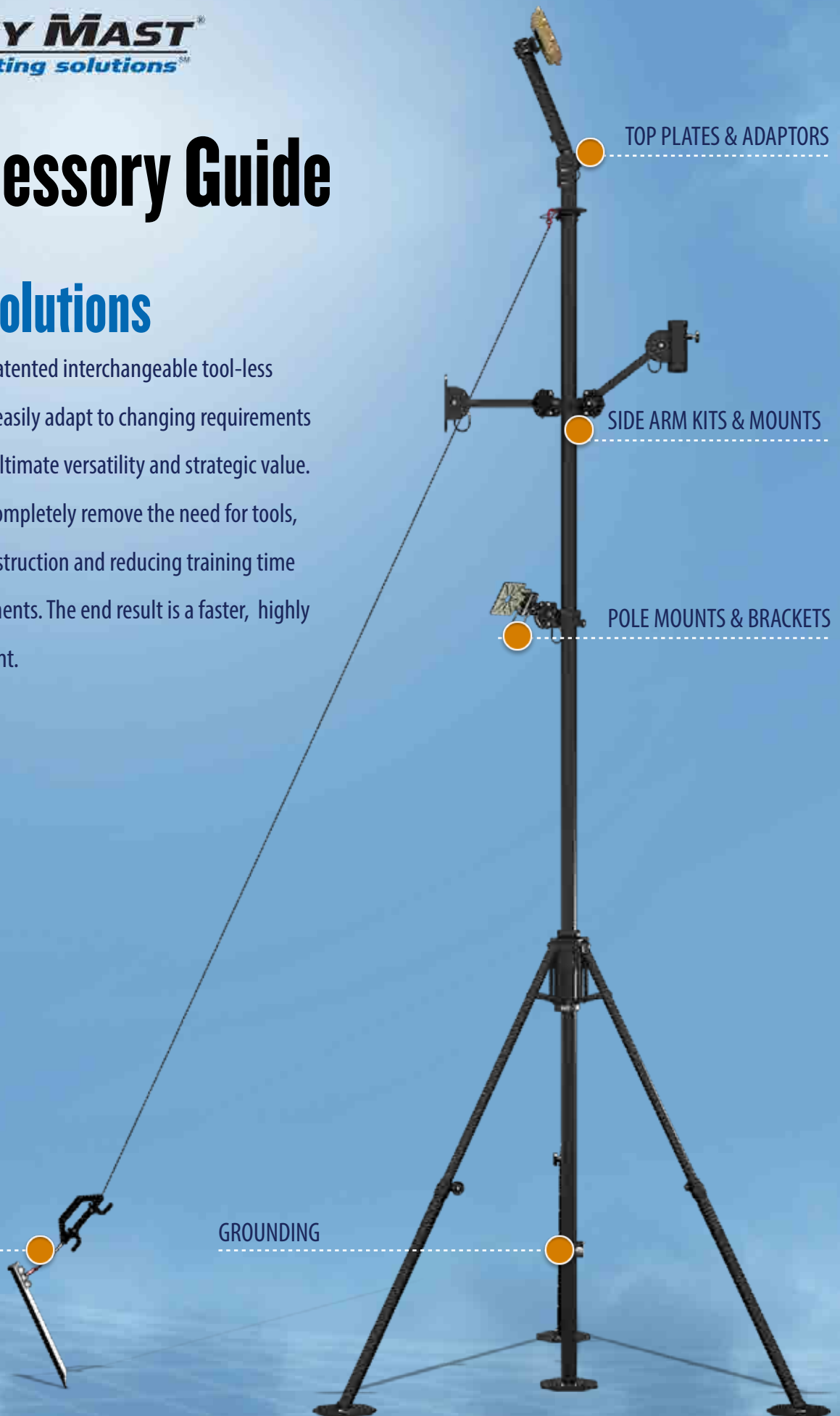


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Top Plates & Adaptors

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 items include a pin on adaptor to mount on top of our AL3 mast system.



OE-254 & COM201 Antennas
BSM3-K-M400-OE2-000



Manual Tilt Assembly with Mounting Pole
BSM3-K-M650-TLT-000



Pan & Tilt for Quickset QPT & FLIR
BSM3-A-M460-MPP-00A



Cross Pattern 6 x 6
BSM3-A-M550-MPP-00A



Cross Pattern 8 x 10
BSM3-A-M408-MPP-00A



NATO-SINGARS-EPLRS
BSM3-A-M305-NT0-00A



Solid 7.5 x 7.5 Inch
BSM3-A-M407-MPP-00A



Solid 11.5 x 11.5 Inch
BSM3-A-M411-MPP-00A

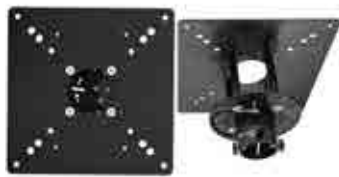


Radar 8 x 11 Inch
BSM3-A-M400-MPP-RDA



Top Plates & Adaptors

These items include a pin on adaptor to mount on top of our AL3 mast system.



KVH TracPhone TPV 3-7, TVHD 11
BSM3-K-M309-MPP-TRC



Cisco 1500 Series
BSM3-A-M410-CSC-00A



Tampa Microwave
BSM3-A-M410-MPA-TML



G2 Magnetic Mount
BSM3-A-M325-MAG-00A



BMS GPS & RF Tracking, GTA 17/58
BSM3-A-M365-BMS-00A



TCS SwiftPoint 360
BSM3-A-M500-TCS-00A



PSL-DF Device
BSM3-A-M415-MPP-00A



Pin On Threaded Adapter
BSM3-P-M510-PIN-000

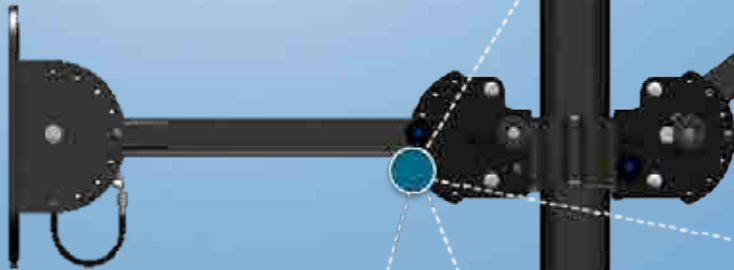


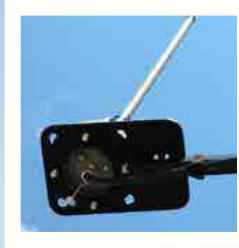
Mobile Mark Omni Antenna
BSM3-A-M718-MPP-00A

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 AL3 mast system *(Based on system height and payload).*

DUAL

STRAIGHT ARM KIT - DUAL - COM201/OE-254



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

(1) Side Arm Mount - 1.5 in. COM201 / OE-254
P/N: BSM3-K-M400-OE2-EM0

(1) AL3 Pole Mount - Two sided
P/N: BSM3-P-A352-T00-100

(2) Straight Arm Bracket w/1.5 in. Side Arm (48 in.)
P/N: BSMU-P-A344-ARM-15S

DUAL

STRAIGHT ARM KIT - DUAL - NATO

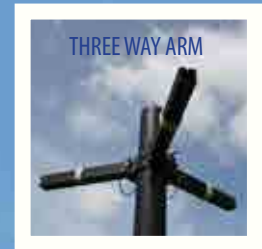


(1) AL3 Pole Mount - Two sided
P/N: BSM3-P-A352-T00-100

(1) Side Arm Mount - 1 in. NATO-SINGARS-EPLRS
P/N: BSM3-A-M305-NT0-EM0

(2) Straight Arm Bracket w/1.5 in. Side Arm (24, 36, 48 in.)

ARM LENGTH (inches)	PART NUMBER
24 in.	BSM3-K-A352-S24-NT0
36 in.	BSM3-K-A352-S36-NT0
48 in.	BSM3-K-A352-S48-NT0



Side Arm Kits

These Side Arm Kits can be mounted anywhere on an AL3 mast system *(Based on system height and payload).*

SINGLE



(1) AL3 Pole Mount - Two Sided
P/N: BSM3-P-A352-T00-000

(2) Straight Arm Bracket w/1.5 in. Side Arm (6 to 48 in.)
P/N: BSMU-P-A3XX-ARM-15S

NOT INCLUDED: 1.5 in. Side Arm Mount (See optional side arm mounts)

STRAIGHT ARM KIT - SINGLE - NO SIDE MOUNT

ARM LENGTH (inches)	PART NUMBER
6 in.	BSM3-K-A351-S06-150
12 in.	BSM3-K-A351-S12-150
24 in.	BSM3-K-A351-S24-150
36 in.	BSM3-K-A351-S36-150
48 in.	BSM3-K-A351-S48-150

DUAL



(1) AL3 Pole Mount - Two Sided
P/N: BSM3-P-A352-T00-000

(2) Straight Arm Bracket w/1.5 in. Side Arm (6 to 48 in.)
P/N: BSMU-P-A3XX-ARM-15S

NOT INCLUDED: 1.5 in. Side Arm Mount (See optional side arm mounts)

STRAIGHT ARM KIT - DUAL - NO SIDE MOUNT

ARM LENGTH (inches)	PART NUMBER
6 in.	BSM3-K-A352-S06-150
12 in.	BSM3-K-A352-S12-150
24 in.	BSM3-K-A352-S24-150
36 in.	BSM3-K-A352-S36-150
48 in.	BSM3-K-A352-S48-150

THREE WAY



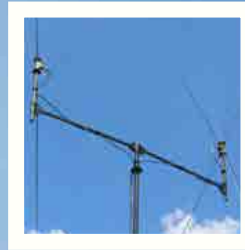
(1) AL3 Pole Mount - Sided
P/N: BSM3-P-A352-T00-000

(3) Straight Arm Bracket w/1.5 in. Side Arm (6 to 48 in.)
P/N: BSMU-P-A3XX-ARM-15S

NOT INCLUDED: 1.5 in. Side Arm Mount (See optional side arm mounts)

STRAIGHT ARM KIT - THREE WAY - NO SIDE MOUNT

ARM LENGTH (inches)	PART NUMBER
6 in.	BSM3-K-A353-S06-150
12 in.	BSM3-K-A353-S12-150
24 in.	BSM3-K-A353-S24-150
36 in.	BSM3-K-A353-S36-150
48 in.	BSM3-K-A353-S44-150



Side Arm Mounts

These Side Arm Mounts can be used with all AL3 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-EM5



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-EM5



NATO - SINGARS - EPLRS
BSMU-A-M305-NT0-EM5



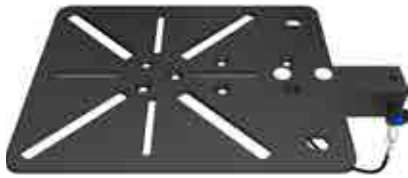
OE-254 & COM201 Antennas
BSMU-K-M400-OE2-EM5

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



Side Arm Mounts

These Side Arm Mounts can be used with all AL3 side arm kits *(Based on system height and payload).*



Cross Pattern 8x10
BSMU-A-M408-MPP-EM5



Cisco 1500 Series
BSMU-A-M410-CSC-EM5



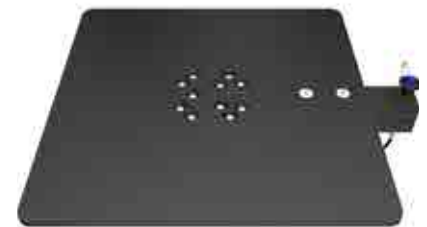
Solid 7.5x7.5
BSMU-A-M407-MPP-EM5



Bolster Plate
BSMU-P-A101-BOL-EM5



ARUBA AP
BSMU-A-M325-AAP-EM5



Solid 11.5x11.5
BSMU-A-M411-MPP-EM5



L-Com Mimo Omni Antenna
BSMU-A-M454-MPP-EM5



G2 MAG MOUNT
BSMU-A-M325-MAG-EM5

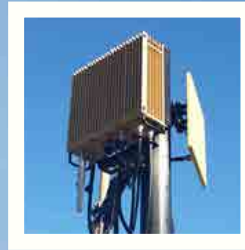


GPS Antenna
BSMU-A-M375-GPS-EM5

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

U.S. and International Patents Pending

Position anywhere on the mast, secure by latching and tightening the turn knobs. Plates w/Brackets can now be added.

Pole Mount - Two Sided - AL3 BSM3-P-A352-T00-000



Patented BlueSky Mast Interface



Pole Mount - Three Sided AL3 - BSM3-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 side pole mounts.

FRONT OF PLATE

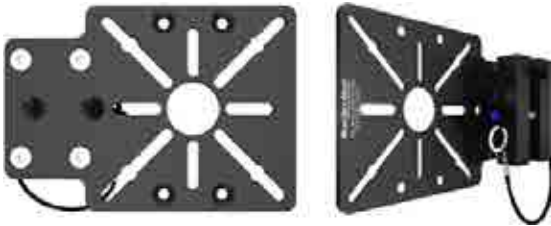
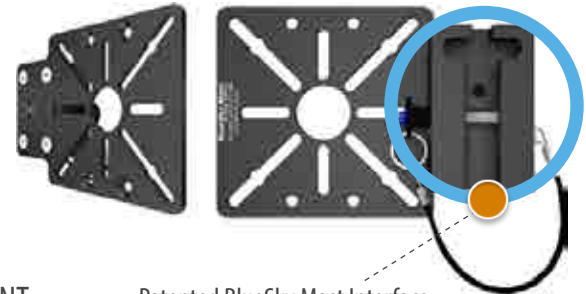
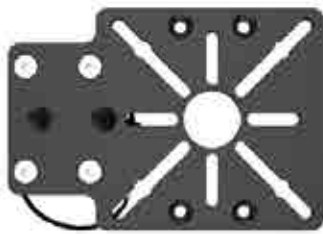


PLATE BRACKET ON POLE MOUNT

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-EM5



Omni Bracket 2.0 to 3.5 Inch OD
BSMU-P-A350-OMN-EM5

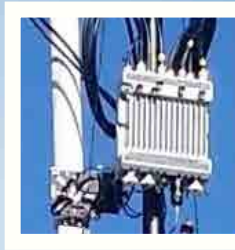
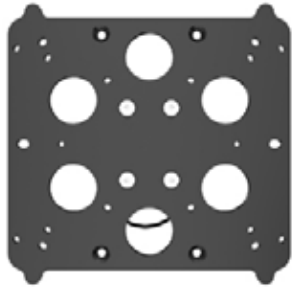


Plate Brackets

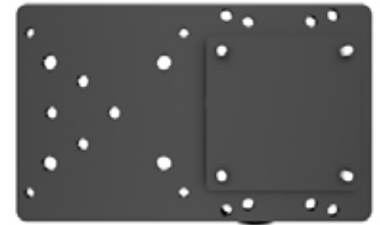
These plate brackets can be mounted anywhere on the mast using our 2 or 3 side pole mounts.



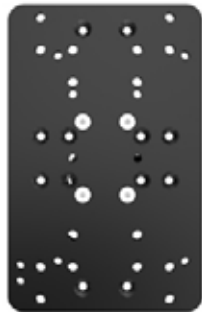
GD Fortress ES Series
BSM2-A-M520-GDF-BRK



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



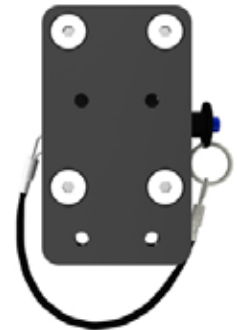
Cambium/Motorola Radio & LPU
BSM2-A-M415-MOT-BRK



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

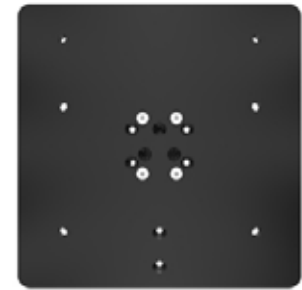
These plate brackets can be mounted anywhere on the mast using our 2 or 3 side pole mounts.



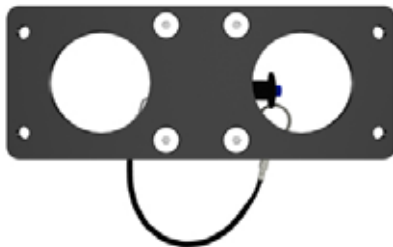
PC Tel Sector Antenna SP4959
BSMU-A-M705-PCT-BRK



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



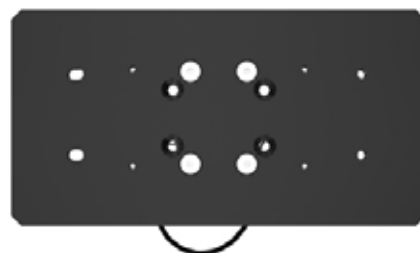
Solid 7.5x7.5
BSM2-A-M407-MPP-BRK



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 Kits

Sustainable, scalable power



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%



ULTRA LIGHT - 600 WATT

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

FEATURES

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

MECHANICAL

- Dimensions deployed: 6.25' x 5' x 4'
- Dimensions packed: 62" x 21" x 14"
- Wind rating: 70 mph
- Angle adjustment: 90 degrees
- Deployment time: 5 minutes

ULTRA LIGHT - 300 WATT

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

- Dimensions deployed: 6.25' x 5' x 4'
- Dimensions packed: 62" x 21" x 14"
- Wind rating: 70 mph
- Angle adjustment: 90 degrees
- Deployment time: 5 minutes

TRANSPORT

(BOTH 300 & 600 WATT)

- Custom Hard Case: 62 x 21 x 14 inches

Certified Grounding & Lightning Protection

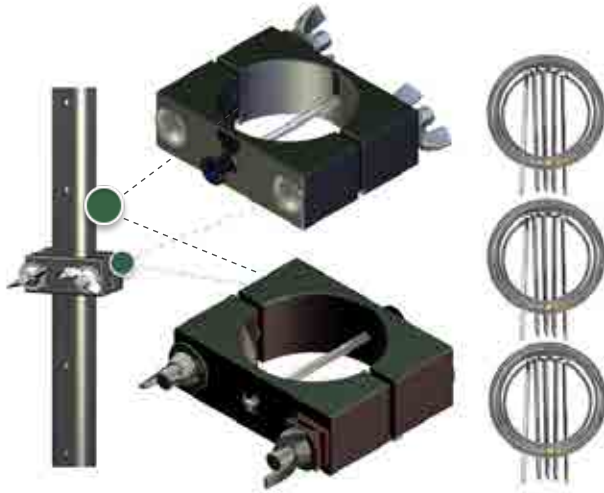
BlueSky Mast has created a suite of certified grounding accessories that enable you to protect your equipment and more importantly your personnel from static discharge and high voltage equipment surges. Our portable mast platforms, when combined with our surface wire grounding kit, have been tested and 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 - AL3
BST3-K-L104-GND-000



LIGHTNING PROTECTION



Pin On Lightning Air Terminal - AL3
BST3-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
8 METERS	BSM3-K-G608-PRI-RED
10 METERS	BSM3-K-G6010-PRI-RED
11 METERS	BSM3-K-G6011-PRI-RED
12 METERS	BSM3-K-G6012-PRI-RED
13 METERS	BSM3-K-G6013-PRI-RED
14 METERS	BSM3-K-G6014-PRI-RED
15 METERS	BSM3-K-G6015-PRI-RED

SECONDARY GUY KITS



Primary Guy Ring



Qty: (4) Primary Guy Ropes



Qty: (4) Guy Stakes

METERS	PART NUMBER
8 METERS	BSM3-K-G608-2ND-BLU
10 METERS	BSM3-K-G6010-2ND-BLU
11 METERS	BSM3-K-G6011-2ND-BLU
12 METERS	BSM3-K-G6012-2ND-BLU
13 METERS	BSM3-K-G6013-2ND-BLU
14 METERS	BSM3-K-G6014-2ND-BLU
15 METERS	BSM3-K-G6015-2ND-BLU