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.
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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-SINCGARS-EPLRS
BSM3-A-M305-NTO-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.
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**

- (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

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

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<th>ARM LENGTH (inches)</th>
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<td>48 in.</td>
<td>BSM3-K-A352-S48-OE2</td>
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**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-NTO-EM0

- (2) Straight Arm Bracket w/1.5 in. Side Arm (24, 36, 48 in.)
  P/N: BSM3-K-A352-S48-NTO

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<thead>
<tr>
<th>ARM LENGTH (inches)</th>
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<td>24 in.</td>
<td>BSM3-K-A352-S24-NTO</td>
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<tr>
<td>36 in.</td>
<td>BSM3-K-A352-S36-NTO</td>
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<tr>
<td>48 in.</td>
<td>BSM3-K-A352-S48-NTO</td>
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**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)

### 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)

### THREE WAY

1. AL3 Pole Mount - 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

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<tr>
<td>6 in.</td>
<td>BSM3-K-A351-S06-150</td>
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<td>12 in.</td>
<td>BSM3-K-A351-S12-150</td>
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<td>BSM3-K-A351-S24-150</td>
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<td>BSM3-K-A351-S36-150</td>
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#### STRAIGHT ARM KIT - DUAL - NO SIDE MOUNT

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#### STRAIGHT ARM KIT - THREE WAY - NO SIDE MOUNT

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<td>BSM3-K-A353-S36-150</td>
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<tr>
<td>48 in.</td>
<td>BSM3-K-A353-S44-150</td>
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Side Arm Mounts

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

- **Omni Antenna .75 to 2.0 Inch**
  - Adjust to fit antennas with an OD of .75 to 2.0 inches
  - **BSMU-P-A112-OMN-EM5**

- **Omni Antenna 2.0 to 3.5 Inch**
  - Adjust to fit antennas with an OD of 2.0 to 3.5 inches
  - **BSMU-P-A350-OMN-EM5**

- **NATO - SINGARS - EPLRS**
  - **BSMU-A-M305-NTO-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

- Bolster Plate
  BSMU-P-A101-BOL-EM5

- ARUBA AP
  BSMU-A-M325-AAP-EM5

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

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

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

- GPS Antenna
  BSMU-A-M375-GPS-EM5

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

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

Pole Mount - Three Sided AL3 - BSM3-P-A353-T00-000
Plate Brackets

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

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

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

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

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

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

- 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

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

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

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

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

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

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

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

- **C2M2 Transceiver**
  - BSMU-A-M525-C2M-BRK
Tactical Solar Kits
Sustainable, scalable power

**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’
- Wind rating: 70 mph
- Angle adjustment: 90 degrees
- Deployment time: 5 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%

**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.

Surface Wire Grounding Kit - AL3
BST3-K-L104-GND-000

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

**Secondary Guy Kits**

- Primary Guy Ring
- Qty: (4) Primary Guy Ropes
- Qty: (4) Guy Stakes

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<th>METERS</th>
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