Headquarters Push-To-Talk

DOCKING STATION: IRIDIUM EXTREME & PUSH-TO-TALK (PTT) SOLUTION PROVIDES RELIABLE IN-BUILDING COMMUNICATIONS

Docking Station: Iridium Extreme & PTT Headquarters Kit

Shown below are the components that are included with, or needed for, the ASE-9575P-HQ kit.

ANTENNA SOLUTIONS

Antennas and cable systems for HQ applications. (Purchase separately)

POWER BRICK AC/DC

Reliable AC/DC power supply. Please specify country type when ordering. (Included in the kit)

OFFICE MOUNT

Mounting for flexible installation. Pedestal and RAM mount together. (Included in the kit)

SUMMARY OF KEY FEATURES

– Provides office/in-building solution for Iridium PTT
– Natural use with palm/speaker mic
– Extend use with analog phone anywhere in the building (use '#' key for PTT)
– Easy connection to Iridium antenna for indoor use
– Connect GPS antenna (optional use of GPS antenna - see discussion below)
– Reliable equipment

Docking Station: Iridium Extreme & PTT

ASE-9575P-HQ

Voltage	10-32 VDC	Cable or DC adapter
Power	12 Watts	Active peak
Antenna Connections	Iridium TNC-F	
Operating Temp	-10° to 55° C	
Dimensions	13 x 6 x 4.5 in.	33 x 15 x 11.5 cm
Weight	3.5 lb.	1.6 kg
Shipping Weight	6.0 lb.	2.7 kg
Shipping Dimensions	16 x 14 x 8 in.	41 x 36 x 20 cm

ADDITIONAL FEATURES & COMPONENTS

EASY OFFICE INTEGRATION

Use with office phones for easy workplace integration. Pound (#) acts as PTT button. Run long distances into buildings easily.

ANTENNAS GO THE DISTANCE

Passive antennas up to 20 meters and active antennas up to 105 meters. (Purchase separately)
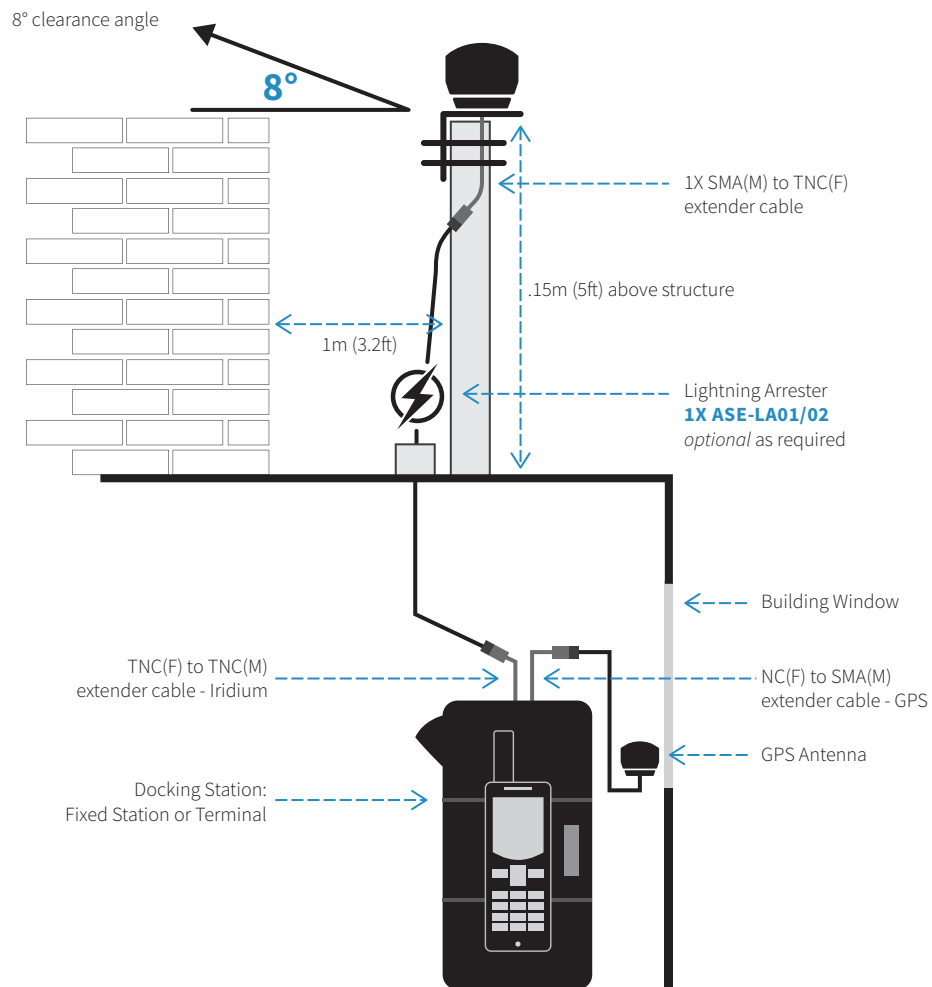
PTT ECOSYSTEM

Integrate effortlessly with Blue Sky Network's vehicular, portable, and interoperability solutions.

Blue Sky Network

SYSTEM SETUP

CLEAR 360° VIEW TO SKY/HORIZON

8° clearance angle

8°

1X SMA(M) to TNC(F)
extender cable

.15m (5ft) above structure

1m (3.2ft)

Lightning Arrester
1X ASE-LA01/02
optional as required

Building Window

TNC(F) to TNC(M)
extender cable - Iridium

NC(F) to SMA(M)
extender cable - GPS

GPS Antenna

Docking Station:
Fixed Station or Terminal

Specifications and Shipping Information

ASE-9575P-HQ-P

Standard PTT Docking Station with POTS and GPS (Office/HQ with Fist Speaker/Mic): Includes dock, desk ram swivel mount, fist speaker/mic, AC/DC transformer, and AC cord. Recommended for PTT applications.

Harmonized code: HTS#: 8518.30.2000 ECCN: EAR99

Shipping dimensions: 16 x 14 x 8 in., 6 lb. (41 x 36 x 20 cm, 3 kg)

ASE-9575P-HQ

Standard PTT Docking Station with POTS and GPS (Office/HQ): Includes dock, desk ram swivel mount, AC/DC transformer, and AC cord. Recommended for voice or integration with office phone applications.

Harmonized code: HTS#: 8518.30.2000 ECCN: EAR99

Shipping dimensions: 16 x 14 x 8 in., 6 lb. (41 cm x 36 cm x 20 cm, 3 kg)

ASE-9575P-HQ-H87

Standard PTT Docking Station with POTS and GPS (Office/HQ with DPL Handset): Includes dock, desk ram swivel mount, privacy handset, AC/DC transformer, and AC cord. (Privacy handset for standard voice only; not supported in PTT mode).

Harmonized code: HTS#: 8518.30.2000 ECCN: EAR99

Shipping dimensions: 16 x 14 x 8 in., 6 lb. (41 x 36 x 20 cm, 3 kg)

ASE-DA12

DA12 - Includes 40' (12m) 2 x LMR400 cable and dual (Iridium/GPS) antenna
Harmonized Code - HTS#: 8517.70.0000 ECCN: EAR99
Shipping Dimensions: 16 x 14 x 8 in., 12 lb. (41 x 36 x 20 cm, 5 kg)

ASE-DA20

DA20 - Includes 66' (20m) 2 x LMR600 cable and dual (Iridium/GPS) antenna
Harmonized Code - HTS#: 8517.70.0000 ECCN: EAR99
Shipping Dimensions: 20 x 16 x 14 in., 20 lb. (51 x 41 x 36 cm, 9 kg)

BLUESKYNETWORK.COM | 11100 ENDEAVOR CT, SUITE 300, MANASSAS, VA 20109 USA | **T:** +1 858 551 3894 **E:** SALES@BLUESKYNETWORK.COM

9575P-HQ-Docking-Station-Brochure-v3.2

Blue Sky Network

Specifications and Shipping Information

ASE-DA40

DA40 - Includes 131' (40m) 2 x RG214 cable , active antenna, and GPS antenna
Harmonized Code - HTS#: 8517.70.0000 ECCN: EAR99
Shipping Dimensions: 20 x 16 x 14 in., 20 lb. (51 x 41 x 36 cm, 14 kg)

ASE-DA70

DA70 - Includes 230' (70m) 2 x LMR400 cable, active, and GPS antenna
Harmonized Code - HTS#: 8517.70.0000 ECCN: EAR99
Shipping Dimensions: 22 x 18 x 16 in., 52 lb. (56 x 46 x 41 cm, 24 kg)

ASE-LA01

LA01 - Lightning arrestor for active antenna
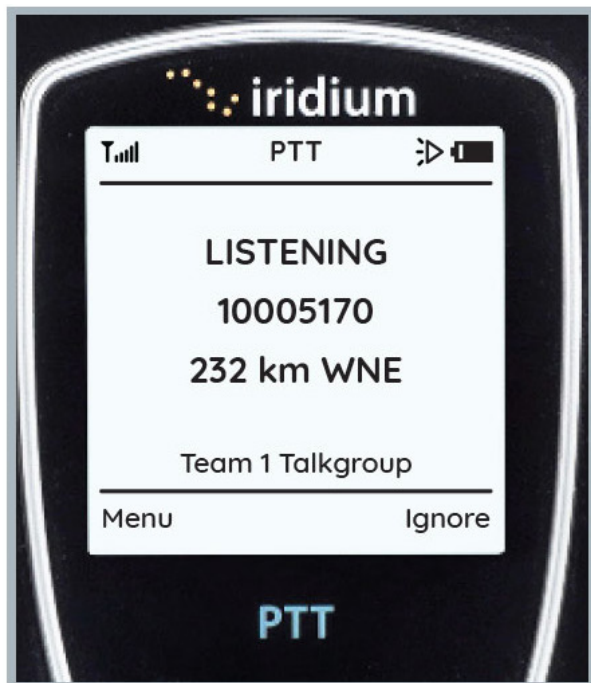**Harmonized Code** - HTS#: 8517.70.0000 ECCN: EAR99
Shipping Dimensions: 8 x 8 x 8 in., 2 lb. (20 x 20 x 20 cm, 1 kg)

Is a GPS antenna necessary for a headquarters installation?

No.
Many people believe that a GPS antenna is required for talk-group coverage, but this is not true. Iridium has its own GPS derived from a doppler onboard their satellites. The GPS for the Iridium Extreme PTT is used as the SOS-distress button on Iridium handsets.

What will happen if I don't use a GPS antenna?

WITH GPS ANTENNA - POSITION KNOWN

WITH GPS ANTENNA - POSITION UNKNOWN

Shown on the left is a PTT screen with a connected GPS antenna. Note that the distance is 232 km to the handset that is speaking. If you disconnect the antenna, as shown on the right, the PTT screen displays "Location Unknown" and the system continues to work.

BLUESKYNETWORK.COM   11100 ENDEAVOR CT, SUITE 300, MANASSAS, VA 20109 USA | **T:** +1 858 551 3894 **E:** SALES@BLUESKYNETWORK.COM

9575P-HQ-Docking-Station-Brochure-v3.2

Blue Sky Network

A WORKAROUND: COST SAVINGS WITH FULL FUNCTIONALITY

Consider moving the docking station as close to the upper floors of a building as possible and route an analog phone to the location where you would like the communication to occur. If this is not possible, shown below is a quick workaround that preserves all system functionality while saving the additional cost of purchasing and installing a GPS antenna on the rooftop.

USE AN INEXPENSIVE GPS ANTENNA NEAR A WINDOW.

SYSTEM SETUP

CLEAR 360° VIEW TO SKY/HORIZON

8° clearance angle

8°

1X SMA(M) to TNC(F) extender cable

.15m (5ft) above structure

1m (3.2ft)

Lightning Arrester
1X ASE-LA01/02
optional as required

Building Window

TNC(F) to TNC(M) extender cable - Iridium

NC(F) to SMA(M) extender cable - GPS

GPS Antenna

Docking Station: Fixed Station or Terminal