

KE6SWE MESH Go-Box

This MESH GO-BOX was started with the following equipment donated from NM6X Mike Slygh 5/13/19:

Ubiquity, NanoStation M2	-	s/n 1545K6872513AC72D	value new \$79.00
Ubiquity, PicoStation 2	-	s/n 1138L002722869184	value new \$79.00
Ubiquity, AirCam Mini	-	s/n 1202T00272260A93C	value new \$87.00
Ubiquity, AirCam Mini	-	s/n 1202T002722615EE1	value new \$87.00
Ubiquity, AirGateway	-	s/n n/a	value new \$20.00
Ubiquity, AirRouter	-	s/n 1127T0027223485D4	value new \$57.00
AT&T, Trimline 210 Telephone	-	s/n Y070116002603306	value new \$18.00
GrandStream, Analog Phone Adapter, HT701, s/a 207GG6ED304CA9A1			value new \$26.00
KMETech, POE Adapter	-	s/n n/a	value new \$ 2.80
Ubiquity, POE Adapter UBI-POE-15-8		s/n n/a	value new \$12.99
Ubiquity, AC/DC Adapter GP-B240-100		s/n n/a	value used \$ 9.00
Binzet stepdown Converter, 12v to 5v		s/n n/a	value new \$ 7.59
Telephone Cord, 4-pole		s/n n/a	value new \$ 1.99
Ethernet Cable, 1-foot		s/n n/a	value new \$ 1.99
Ethernet Cable, 3-foot		s/n n/a	value new \$ 2.49

↪↪ \$491.85

WA6RUZ Charley Speelman added the following to complete the go-box:

Harbor Freight, Tactical Ammo Box		s/n n/a	\$ 9.99
PVC Pipe, 1"x 3' 4ea.		s/n n/a	\$ 3.29ea> \$ 13.16
PVC Pipe, 1"x 4' 2ea		s/n n/a	\$ 3.99ea> \$ 7.98
PVC Couplers (gray), 1" 6ea.		s/n n/a	\$ 0.49ea> \$ 2.49
PVC Cross-Tee Coupler, 1", 1 ea.		s/n n/a	\$ 2.99
PVC Tee coupler, 1", 1 ea.		s/n n/a	\$ 0.99
PVC Pipe, 3/4" x 3' 2ea.		s/n n/a	\$ 2.29ea> \$ 4.58
PVC Coupler (gray), 3/4" 4ea.		s/n n/a	\$ 0.59ea> \$ 2.36
Ethernet Cable, 25-foot, 2ea.		s/n n/a	\$ 14.99ea> \$ 29.98
Ethernet Cable, 7-foot, 2ea		s/n n/a	\$ 5.49ea> \$ 10.98
Ethernet Cable 6e Jumper, 1-foot, 3ea		s/n n/a	\$ 6.99ea> \$ 20.97
Anderson, Powerpole, 6 sets		s/n n/a	\$ 0.90ea> \$ 5.40
Power Distribution Block 4-Position		s/n n/a	\$ 24.99
Wire, Red/Black 14-guage, 4-ft.		s/n n/a	\$ 0.40 ft.> \$ 1.60
Wire, Red/Black, 12-guage, 1-ft.		s/n n/a	\$ 0.62 ft.> \$ 0.62
ATC Style Inline Fuse Holder 10GAW		s/n n/a	\$ 4.64
Binzet, stepdown Converter, 12v to 5v		s/n n/a	\$ 7.59
Duracell, AGM Battery, 12V- 10A		s/n n/a	\$ 49.99
Serounder, 4-port POE Power Supply		s/n n/a	\$ 8.49
Terminal Block, 4-position,		s/n n/a	\$ 5.99
Terminals, Spade crimp-on		s/n n/a	\$ 3.00
Switch, momentary, green		s/n n/a	\$ 1.40
Urbest, Switch, rocker On Off On		s/n n/a	\$ 0.90
Socket, power jack, panel mount		s/n n/a	\$ 1.60
Voltage Meter, green		s/n n/a	\$ 9.50
Modular Jack Plate Cover, 3-position		s/n n/a	\$ 0.97
Modular Ethernet Jack (orange)		s/n n/a	\$ 4.97
Modular Ethernet Jack (white)		s/n n/a	\$ 4.97
Modular Phone Jack (white)		s/n n/a	\$ 4.97
Power Supply 110vAC to 12vDC 10A		s/n n/a	\$ 18.21

↪↪ \$ 266.27 \$ 758.12

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2G Portable AREDN MESH NODE with VOIP Telephone (10*8*186*130)

KE6SWE-AR-56-69-212 - Ubiquity, AirRouter Node

KE6SWE-M2NS-56-199-125 - Ubiquity, NanoStation M2Node

KE6SWE-AR1-VOIP - Telephone (10*8*186*130)

KE6SWE-AREDN – WiFi Access Point to connect to AREDN Nodes (requires WEP Key)

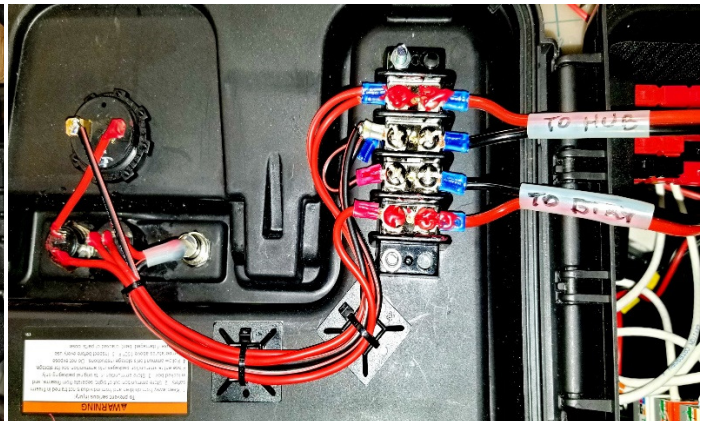
The IP CAMERA to be added in future.

Portable Mast Sections below (*Unassembled*)



Top View

Inside Lid to show wiring assembly



The rocker switch in the middle of the lid is used to select either the internal battery or an external power source. The (*green*) momentary switch is to activate the voltage meter for checking voltage condition. When available, an AC/DC Power supply is used to operate longer term operations.

This unit when deployed can automatically join into the AREDN MESH Network and make available a VOIP Telephone wherever it is needed.

This MESH Go-Box was built by WA6RUZ Charley Speelman, Chief Radio Officer, for use by Mission Viejo RACES-ARES