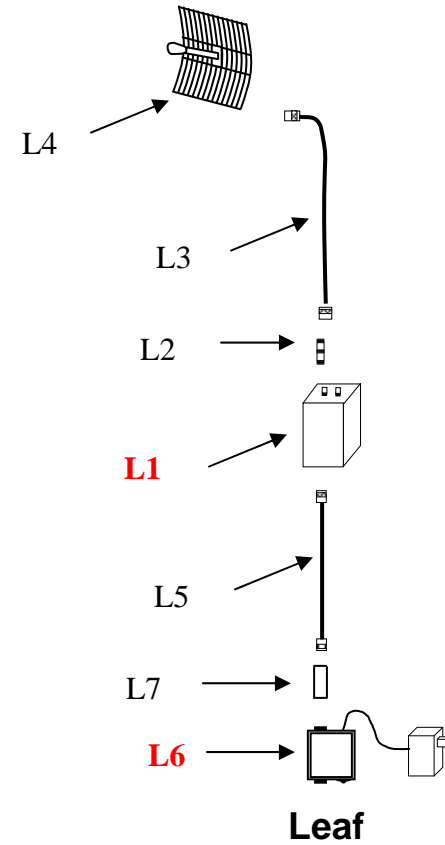
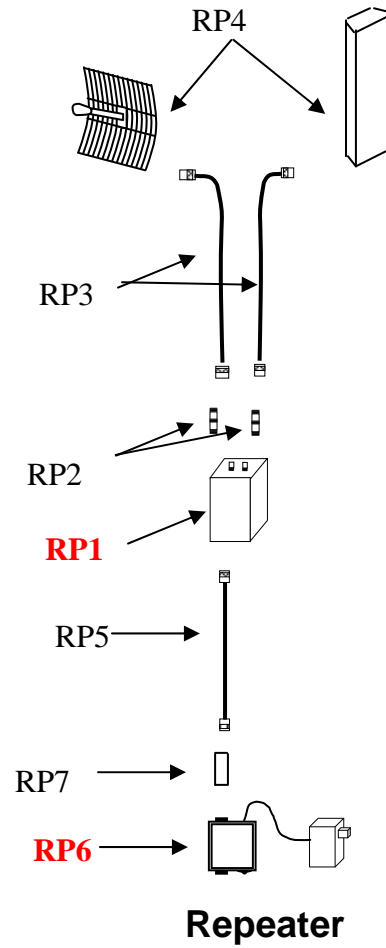
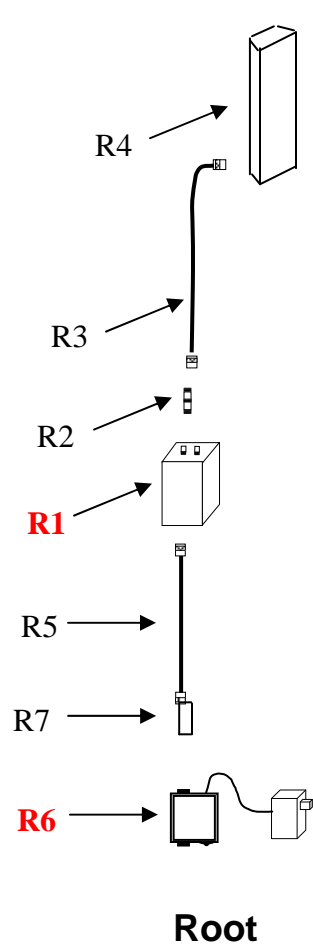




Configuration Checklist

Configuration Guide - VIP 110-24

VIP 110-24



CHECKLIST: VIP 110-24 Root

VIP110-24 Root includes a power inserter, power cord, mounting kit and user manual.

Item	Description	Part Number	Note	Check
R1	VIP 110-24 Radio	9130-0001 9130-0004	FCC Full Vine (Transmit power up to 23dBm, frequency limited to ISM band) CE Full Vine (Transmit power up to 20dBm, frequency limited to ISM band)	
R2	Lightning arrestor @ 2.4 GHz	1220-0029		
R3	12" LMR400, Ultra Flex, N type (Male) to N type (Male)	6010-0014	The given part number is an N type (Male) to N type (Male), assuming the antenna has an N type (Female). If the selected antenna has a different connector, make sure select a compatible cable with a right connector.	
R4	Adjustable, Sectoral Antenna, 60, 90, 120, and 160 degrees	Check Price book for details	Omni, sectoral and directional can be used at a Root site. Consider the following when ordering: <ol style="list-style-type: none"> 1. Type of antenna. 2. Gain of the antenna. 3. Coverage angle, if a sectoral is needed. 	
	Directional Panel Antenna, 17 dBi (typical for Point-to-Point Configuration)	Check Price book for details		
R5	30m Outdoor Shielded CAT-5 cable	6010-1421	Other lengths are also available in the price book.	
R6	Power Inserter	4000-0018	One power inserter is included with the unit. The part number is provided for spare purposes.	
R7	RJ 45 Ethernet Surge Suppressor	1220-0042		

Optional Accessories:

A) Cable kit (2108-0026) consists of an assembly drawing and the connectors to build five outdoor CAT 5 cables.

B) Audio cable (6050-0008) is used for antenna alignment. During installation users connect this to a pair of headphones (not included) to provide an audio pitch proportional to the Receive Signal Strength (RSSI).

C) Console RS-232 cable (6050-0009) is used for maintenance and test.

CHECKLIST: VIP 110-24 Repeater

VIP110-24 Repeater includes a power inserter, power cord, mounting kit and user manual.

Item	Description	Part Number	Note	Check
RP1	VIP 110-24 Radio	9130-0001 9130-0004	FCC Full Vine CE Full Vine	
RP2	Lightning arrestor @ 2.4 GHz	1220-0029	One is required for each antenna	
RP3	12" LMR400, Ultra Flex, N type (Male) to N type (Male)	6010-0014	One is required for each antenna The given part number is an N type (Male) to N type (Male), assuming the antenna has an N type (Female). If the selected antenna has a different connector, make sure select a compatible cable with a right connector.	
RP4	Directional Panel Antenna, 17 dBi	Check Price book for details	Other antennas are available in the price book. Directional antennas can be used for the uplink port at a Repeater site. Consider the gain of the antenna when ordering. Omni, sectoral and directional can be used for the downlink port at a Repeater site.	
RP5	30m Outdoor Shielded CAT-5 cable	6010-1421	Other lengths are also available in the price book.	
RP6	Power Inserter	4000-0018	One power inserter is included with each unit. The part number is provided for spare purposes.	
RP7	RJ 45 Ethernet Surge Suppressor	1220-0042		

CHECKLIST: VIP 110-24 Leaf

VIP110-24 Leaf includes a power inserter, power cord, mounting kit and user manual.

Item	Description	Part Number	Note	Check
L1	VIP 110-24 Radio	9130-0001 9130-0004 9130-0005 9130-0006 9130-0007 9130-0008 9130-0009 9130-0010	FCC Full Vine CE Full Vine FCC Leaf 11Mbps CE Leaf 11Mbps FCC Leaf 5.5Mbps CE Leaf 5.5Mbps FCC Leaf 2.0Mbps CE Leaf 2.0Mbps	
L2	Lightning arrester @ 2.4 GHz	1220-0029		
L3	12" LMR400, Ultra Flex, N type (Male) to N type (Male)	6010-0014	The given part number is an N type (Male) to N type (Male), assuming the antenna has an N type (Female). If the selected antenna has a different connector, make sure select a compatible cable with a right connector.	
L4	Directional Panel Antenna, 17 dBi	Check Price Book for details	The given is a typical directional antenna. Other directional antennas can be used for the uplink port at a Leaf site. Consider the gain of the antenna when ordering.	
L5	30m Outdoor Shielded CAT-5 cable	6010-1421	Other lengths are also available in the price book.	
L6	Power Inserter	4000-0018	One power inserter is included with the unit. The part number is provided for spare purposes.	
L7	RJ 45 Ethernet Surge suppressor	1220-0042		