

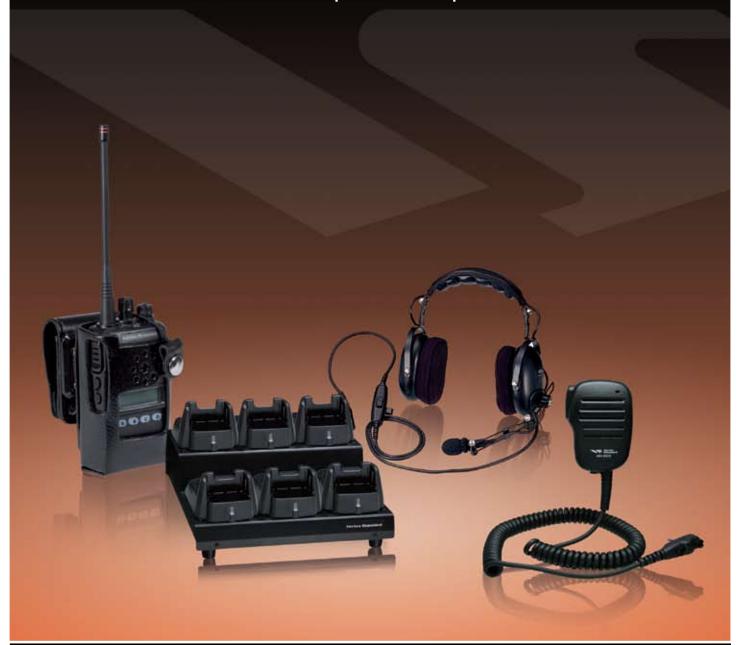
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Portable LMR Accessories Guide

Antennas • Batteries • Cases • Chargers Headsets • Microphones • Option Boards



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Specifications featured in this guide are subject to change without notice or obligation.

Why Vertex Standard?

For over five decades, Vertex Standard has maintained a focused commitment to delivering quality radio communications equipment that supports business productivity and public safety worldwide. We are proud to have never lost sight of this commitment and are relentless to do what it takes to continuously earn your business and achieve total customer satisfaction.

- Focused Commitment to Radio Communications Since 1956
- Engineering Expertise in Compact, Feature Rich Radios for Maximum Value
- Quality and Continuous Improvement Standards
- Reliable Products Built to IP and MIL-STD Specifications
- Value-Driven Performance: Quality Radios and Cost Savings

Headset Microphone Styles

Style	Key Features	Suggested Uses				
Voice Activated	Hands free communication for efficiency without handling radio. Hear conversations without disturbing others.	Education				
Behind The Head	Hands free communication with ability to hear other sounds and nearby conversations.	Hotels Restaurants				
Single Muff	Wear on either ear. Hands free communication with ability to hear other sounds and nearby conversations.	Retail Event Management				
Dual Muff	Covers both ears to minimize ambient noise.	Construction Utilities Warehousing Light Manufacturing				
Heavy-Duty Dual Muff	For use in high noise environments for improved hearing clarity and protection. Noise Reduction Rating = 24dB.	Emergency Response Heavy Manufacturing Utilities Construction Airports Racing				
3-Wire Mini Surveillance	Earpiece, Microphone and Push-To-Talk are separate for discreet, communication and easily concealed. Clear tube earpiece design helps maintain low profile.	Security Public Safety				
2-Wire Mini Surveillance	Earpiece, Microphone and Push-To-Talk are combined for discreet, hands-free communication.	Restaurants Hotel Management				
Earpiece	Clear tube earpiece design helps maintain low profile. Hands-free, light-duty use. PTT lapel microphone for convenient transmit. Use in low-noise environments and to maintain professional appearance.	Retail Restaurants Education				

Microphone	es and Ear Phones	 091	230	350	410	VX-420	420A	510	/X-820/P820	VX-920/P920
Model	Description	×	×̈́	××	×	×	×̈	×	×	×
Microphones										
MH-450S *	Standard Speaker	•	•	•	•	•	•			
MH-45A2B	Standard Speaker							•		
MH-45B4B *	Noise Cancelling Speaker	•	•	•	•	•	•			
MH-360S *	Compact Speaker	•	•	•	•	•	•			
MH-66A7A	Submersible, Noise Cancelling								•	•
MH-66B7A	Submersible, 2 Programmable Buttons								•	•
MH-50D7A	Speaker w/Push Switch								•	•
Headset Micropl	hones and Ear Phones									
VC-25 *	Voice Activated (VOX)	•	•		•	•	•			
VH-115S *	Behind The Head	•	•	•	•	•	•			
VH-II5L	Behind The Head								•	•
VH-215S *	Single Muff	•	•	•	•	•	•			
VH-215L	Single Muff								•	•
VH-225S *	Dual Muff	•		•	•					
VH-110S *	Heavy-Duty Dual Muff	•	•	•	•	•				
VH-III	Heavy-Duty Dual Muff								•	•
VH-120S *	3-Wire Mini Surveillance	•	•	•	•	•				
VH-121	3-Wire Mini Surveillance								•	•
VH-130S *	2-Wire Mini Surveillance	•	•	•	•	•				
VH-131	2-Wire Mini Surveillance								•	•
MH-37A4B *	Ear Piece (RX/TX)	•	•	•	•	•	•			
FEP-10	Ear Phone (RX only)	•	•	•	•	•	•			

* S = Single Pin Connector



VX-820/P820 VX-920/P920 Compatible VX-420A **Batteries** VX-230 VX-510 VX-410 VX-420 VX-530 VX-350 Chargers Model VAC-Model mAh Туре FNB-VI03LI 1150 Li-lon FNB-VI04LI 2000 Li-lon 300,6300 FNB-V96LI 2000 Li-lon IS FNB-V57IS 1100 Ni-CD 20, 801, 6010, 6800 FNB-V94 1800 Ni-MH 20,801,6010 2000 FNB-V67LI Li-lon 6810 FNB-29A 1700 Ni-CD 6520 FNB-V86LI 1150 Li-lon FNB-V87LI 2000 Li-lon 920, 6920 FNB-V92LI 3000 Li-lon FNB-V92LIIS IS 3000 Li-lon FBA-34 6 AA Battery Case • N/A



Li-lon: Lithium Ion offers the best powerto-weight ratio, no memory effect and has slow loss of charge when not in use. Low toxicity, should be recycled.

Vertex Standard

Ni-MH: Nickel Metal Hydride has more energy density than Ni-CD with slightly less cycle life. Low toxicity, should be recycled.

Ni-CD: Nickel Cadmium has moderate energy density, use when long life, high discharge rate and extended temperature range is important. High toxicity, proper disposal required.

IS: Intrinsically Safe per SGS requirements. See radio specifications for complete details.

Chargers VX-420A VX-410 VX-510 VX-530 VX-350 VX-420 Model VAC Description Components VAC-300B 120/230/240 | Single Desktop CD-34 / - / Rapid Charger PA-42 VAC-20B 120/240 Single Desktop CD-47 / - / PA-43 Charger 6-Unit Multi CD-34 / - / VAC-6300B 120/240 Rapid Charger PA-41 (Li-lon only) VAC-800B 120/240 CD-16 / CA26 / Single Desktop PA-23 Rapid Charger VAC-810B CD-16 / CA37 / 120/230 Single Desktop PA-23 Rapid Charger (FNB-V67LI) VAC-6010B 120/240 6-Unit CD-34 / - / PA-41 Multi Charger (Ni-CD,Ni-MH) VAC-6800B 120/240 6-Unit Multi Charger Base/ CA26/PA-24 Rapid Charger (FNB-V57IS) VAC-6810B 120 6-Unit Multi Charger Base / Rapid Charger CA37 / PA-24 (FNB-V67LI) VAC-520B 120/240 CD-16 / CA25 / Single Desktop

Option Boards VX-530 VX-410 VX-510 VX-820 VX-920 Model FVP-25 Voice Encryption & DTMF Paging FVP-35 Rolling Code Encryption FVP-36 Voice Inversion Encryption FVP-22 Voice Inversion Encryption VME-100 MDC-1200® / GE-STAR® ANI Encode VMDE-200 MDC-1200® / GE-STAR® ANI Encode/Decode DVS-5 Digital Voice Storage Dual-Band RX (adds UHF RX) SRX-3D/H



VAC-6520B

VAC-920B

VAC-6920B



120/240

120/240

120/240



Rapid Charger

Single Desktop

Rapid Charger

Rapid Charger

6-Unit Multi

6-Unit Multi

Charger





PA-23

PA-39

PA-41

Charger Base /

CA25 / PA-24

CD-31 / - /

CD-31 / - /

VAC-6010 VAC-6300

VAC-6800













VAC-800 VAC-810 VAC-20

VAC-520

VAC-920

Mounting Adapters







Desktop



Cases - Leather

VX-230 / VX-351

- LCC-351 Leather Case, Belt Loop
- LCC-351S Leather Case, Swivel Belt Loop

VX-354

- LCC-354 Leather Case, Belt Loop
- LCC-354S Leather Case, Swivel Belt Loop

VX-410

- LCC-410 Leather Case, Belt Loop
- LCC-410S Leather Case, Swivel Belt Loop

VX-420 / VX-420A

- LCC-420 Leather Case, Belt Loop
- LCC-420S Leather Case, Swivel Belt Loop

VX-510

LCC-500 Leather Case, Belt Loop LCS-2 Swivel Belt Loop Attachment for LCC-500

- LCC-820S Leather Case, Swivel Belt Loop
- LCC-820SH Leather Case, Swivel Belt Loop (FNB-V92LI battery)
- LCC-820H Leather Case, Belt Loop (FNB-V92LI battery)

VX-824

- LCC-820SH/4K Leather Case, Swivel Belt Loop (FNB-V92LI battery)
- LCC-820H/4K Leather Case, Belt Loop (FNB-V92LI battery)

VX-829

- LCC-820S/TT Leather Case, Swivel Belt Loop
- LCC-820SH/TT Leather Case, Swivel Belt Loop (FNB-V92LI battery)

VX-921

- LCC-920S Leather Case, Swivel Belt Loop
- LCC-920SH Leather Case, Swivel Belt Loop (FNB-V92LI battery)
- LCC-920H Leather Case, Belt Loop (FNB-V92LI battery)

VX-924

- LCC-920SH/4K Leather Case, Swivel Belt Loop (FNB-V92LI battery)
- LCC-920H/4K Leather Case, Belt Loop (FNB-V92LI battery)

VX-160

Case Styles

- LCC-160 Leather Case, Belt Loop
- LCC-160S Leather Case, Swivel Belt Loop

LCC-351S LCC-410





LCC-820S





























CLIP-17A (920) CLIP-17B (820) CLIP-17C (160/410/420) CLIP-920 CLIP-17E (230)

CLIP-18 (230) CLIP-820

CLIP-4A (510/530)

Cases - Nylon

VX-821

- LCC-820SN1C Nylon Case, Swivel Clip
- LCC-820SNID Nylon Case, Leather Swivel Belt Loop

VX-824

- LCC-820SN2C Nylon Case, Swivel Clip
- LCC-820SN2D Nylon Case, Leather Swivel Belt Loop

VX-829

- LCC-820SN3C Nylon Case, Swivel Clip
- LCC-820SN3D Nylon Case, Leather Swivel Belt Loop

VX-921

- LCC-920SNIC Nylon Case, Swivel Clip
- LCC-920SNID Nylon Case, Leather Swivel Belt Loop

VX-924

- LCC-920SN2C Nylon Case, Swivel Clip
- LCC-920SN2D Nylon Case, Leather Swivel Belt Loop

VX-929

- LCC-920SN3C Nylon Case, Swivel Clip
- LCC-920SN3D Nylon Leather Swivel Belt Loop



Antennas		091-XV	VX-230	VX-350	VX-410	VX-420	VX-420A	VX-510	VX-530	VX-820/P820	VX-920/P920	
Model	Frequency	Size (inches)	×	×	×	×	×	×	×	×	×	×
ATL-1A	30 - 36 MHz	10.5							•			
ATL-1B	36 - 42 MHz	10.5							•			
ATL-IC	42 - 50 MHz	10.5							•			
ATV-6A	134 - 151 MHz	4	•								•	
ATV-8A	134 - 151 MHz	6	•	•	•		•				•	•
ATV-10A	145 - 155 MHz - High Gain	10.5	•	•	•	•	•	•			•	•
ATV-10B	150 - 160 MHz - High Gain	10.5	•	•	•	•	•	•			•	•
ATV-6B	150-163 MHz	3.5	•		•	•	•	•			•	•
ATV-8B	150 - 163 MHz	6	•	•	•	•	•	•			•	•
ATV-10C	155 - 165 MHz - High Gain	10.5	•	•	•	•	•	•			•	•
ATV-6C	161 - 174 MHz	3.5	•		•	•	•	•		•	•	•
ATV-8C	161 - 174 MHz	6	•	•	•	•	•				•	•
ATV-10E	165 - 175 MHz - High Gain	10.5	•	•	•	•	•	•			•	•
ATV-6XL	VHF Untuned	7	•	•	•	•	•	•			•	•
ATU-6A	400 - 430 MHz	6.5	•	•	•	•	•				•	•
ATU-6AS	410 - 430 MHz	3.5	•									•
ATU-5DS	450 - 470 MHz	3								•		
ATU-5D	450 - 470 MHz	6.5								•		
ATU-6DS	450 - 485 MHz	3.5	•	•		•	•				•	•
ATU-6D	450 - 490 MHz	6	•	•	•	•	•				•	•
ATU-6F	490 - 512 MHz	5.5		•	•						•	•
ATW-IA	134 - 151 MHz / 450 - 520 MHz Dual Band RX										•	•
ATW-1B	134 - 163 MHz / 450 - 520 MHz Dual Band RX										•	•
ATW-IC	161 - 174 MHz / 450 - 520 MHz Dual Band RX										•	•

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