



VH10 Technical Accessory Guide



NOTE: VH10 Narrowband RF configurations discontinued 12/2020, see PMB 10454.
 VH10 WiFi configurations discontinued 6/2020, see PMB 10350.

NOTE: This document is only for general reference. Solutions Pathway and related PMBs should be used for product availability, pricing, and final solution selection.




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Communication Cables and Accessories

Part Number	Picture	Description	Notes	Required Items
CBA-UF6-C09ZAR-KIT		VH10 to 36xx Series Scanner Cable (USB)	<ul style="list-style-type: none"> ▶ Cable rated for 1.2A current ▶ Coiled cable is 9 ft long when extended and is about 5 ft. long when un-extended. ▶ Rated to -30°C for freezer environment use. ▶ When connected to STB3678/FLB3678, will charge a fully depleted battery in about 4.5 hours if host USB port is BC 1.2 compatible or about 10.5 hours for USB 2.0 host ports. 	
CBA-UF8-C12ZAR		VH10 to 36xx Series Scanner Cable (USB)	<ul style="list-style-type: none"> ▶ Cable rated for 1.2A current ▶ Coiled cable is 12 ft long when extended ▶ Rated to -30°C for freezer environment use. ▶ When connected to STB3678/FLB3678, will charge a fully depleted battery in about 4.5 hours if host USB port is BC 1.2 compatible or about 10.5 hours for USB 2.0 host ports. 	
CBA-UF6-C12ZAR		VH10 to 36xx Series Scanner Cable (USB)	<ul style="list-style-type: none"> ▶ Cable rated for 1.2A current ▶ Coiled cable is 9 ft long when extended (even though SKU indicates 12 ft.) and is about 5 ft. long when un-extended. Use CBA-UF8-C12ZAR for a true 12 ft. length cable. ▶ Rated to -30°C for freezer environment use. ▶ When connected to STB3678/FLB3678, will charge a fully depleted battery in about 4.5 hours if host USB port is BC 1.2 compatible or about 10.5 hours for USB 2.0 host ports. 	
CBA-U12-C09ZAR		Generic Cable to Scanners 34xx/35xx Cable (USB)	<ul style="list-style-type: none"> ▶ Provides enough power for DS3508-ER ▶ 9 ft long when extended 	
CBA-U09-C15ZAR		Generic Cable to Scanners 34xx/35xx Cable (USB)	<ul style="list-style-type: none"> ▶ Provides enough power for DS3508-ER ▶ 15 ft long when extended 	



CBA-R71-C09ZAR		VH10 to 36xx Series Scanner Cable (Serial)	<ul style="list-style-type: none"> ▶ VH10 provides power to scanner on pin 9 (COM 1 port) ▶ Provides enough power for DS3608-ER in default power mode. ▶ 9 ft. coiled cable 	
CBA-RF2-C09ZAR		VH10 to 36xx Series Scanner Cable (Serial) (Freezer Rated)	<ul style="list-style-type: none"> ▶ Rated to -30°C for freezer environment use. ▶ VH10 provides power to scanner on pin 9 (COM 1 port) ▶ Provides enough power for DS3608-ER in default power mode. ▶ 9 ft. coiled cable 	
CBA-R37-C09ZBR		VH10 to 34xx/35xx Series Scanner Cable (Serial)	<ul style="list-style-type: none"> ▶ VH10 provides power to scanner on pin 9 (COM1 or COM2 port) ▶ Provides enough power for DS3508-ER. ▶ 9 ft. coiled cable ▶ Includes improved TTL current limit protection vs. CBA-R37-C09ZAR. 	
KT-SCANMNT-VC80-R		Side Mount Scanner Holder	<ul style="list-style-type: none"> ▶ Used to mount an external Scanner (i.e. LS/DS 34xx/35xx) on the side of the VH10. ▶ Eliminates the need for a scanner Tool Balancer/Pulley ▶ Two piece solution - bottom piece pictured attaches to side of VH10. Top piece pictured attaches to bottom piece and holds scanner. ▶ Mounting hardware (screws) included. ▶ L136xx/DS36xx will not fit properly in this mount unless it is bent a little to make the bracket/mount wider. 	
P1031365-053		QLn Series Printer Serial Cable	<ul style="list-style-type: none"> ▶ Connects to serial port on VH10 ▶ 6 ft. straight cable 	
P1031365-055		QLn Series Printer USB Cable	<ul style="list-style-type: none"> ▶ Connects to USB port on VH10 ▶ 6 ft. straight cable 	

M1000		External Push-To-Talk (PTT) Speaker Microphone	<ul style="list-style-type: none"> ▶ External side-mount PTT microphone and speaker ▶ Enables the device to replace a walkie-talkie by voice-over-IP 	
CA1300		Screen Blanking Cable	<ul style="list-style-type: none"> ▶ Allows VH10 screen to turn off while vehicle is in motion for enhanced safety ▶ Connects to RS232 port on VH10 ▶ DB9 to open wire ▶ Open wires are connected to user/vehicle supplied switch or relay ▶ Control Panel option on VH10 enables screen blanking feature. 	
WA4070		Ethernet Adapter	<ul style="list-style-type: none"> ▶ Connects to USB-A port on VH10 ▶ USB to Ethernet adapter with USB extension cable. 	

Vehicle Mounting Hardware and Accessories






see additional mounting options in the Common Mounting Systems TAG

NOTE: When using RAM Mount hardware with VH10 RAM D-size (2.25") ball mounts are recommended




Part Number	Picture	Description	Notes	Required Items
MT4200		Quick Release Mount	<ul style="list-style-type: none"> ▶ Makes it easy to transfer VH10 to another vehicle or remove it for maintenance/repair. ▶ No tools are required to dismount device. ▶ Device can be removed in as little as 10 seconds ▶ Can be used alone, in combination with the Cantilever Mount (MT1002), or Vesa Plate Base (MT3501) ▶ Includes Quick Release Mount that attaches to sides of VH10 and Mounting Plate (MT4205) that attaches to forklift. ▶ VH10 can be mounted to Quick Release Mount on an angle for easier viewing. ▶ Internal P/N 1917726 	
MT4205		Mounting Plate for Quick Release Mount	<ul style="list-style-type: none"> ▶ Spare/extra Mounting Plate ▶ Allows one VH10 unit to be quickly and easily attached to more than one forklift. ▶ Can be mounted to the Cantilever Mount (MT1002) or Vesa Plate Base (MT3501) 	Quick Release Mount (MT4200)


<p>KT-U-MOUNT-VC80-R</p>		<p>U-Mount Bracket with Adapter</p>	<p>► Bracket uses the same vehicle mounting holes as the VC5090, VC70 (KT-U-MOUNT-VC70-R) and 8585/8595 (MT3421) U-Mount brackets for easy migration.</p>  <p>► Includes Adapter Bracket for legacy U Mounts (MNT-VC80-ADPA1-1) ► Includes mounting hardware</p>	
<p>MNT-VC80-ADPA1-1</p>		<p>Adapter Brackets for VC5090 U-Mount Bracket</p>	<p>► Allows VH10 to be used with the VC5090 U-Mount Bracket (90500116-R) ► Includes mounting hardware</p>	
<p>MNT-VC80-ADPB1-1</p>		<p>Adapter Brackets for LXE/Honeywell U-Mount Brackets</p>	<p>► Allows VH10 to be used with LXE/Honeywell U-Mount brackets - HON P/N VM1010BRKTKIT ► Includes mounting hardware</p>	
<p>MT4210</p>		<p>Adapter Bracket for 82xx series Quick Release Mount</p>	<p>► Allows VH10 to be used with the 82XX Series Quick Release Mount (PN 18457 for Mount and PN 17529 for Mounting Plate)</p>	

MT4510		RAM Rectangular Base with mounting hardware	<ul style="list-style-type: none"> ▶ Base will install directly on the back of the VH10 using included hardware. ▶ 2"x3" base ▶ RAM D-size ball ▶ Uses RAM Mount P/N RAM-D-202U-23 and includes hardware for mounting to back of VH10 	<p>Typically used along with the following:</p> <ol style="list-style-type: none"> 1. RAM Double Socket Arm 2. RAM Clamp Base, Rail Base or Round Plate Base. <p>Refer to Common Mounting Systems TAG for details.</p>
MT3501		RAM VESA Plate Base with mounting hardware	<ul style="list-style-type: none"> ▶ Attaches to Quick Release Mount (MT4200) and is typically used with RAM arms (MT4301 or MT4302) to mount VH10 on any plane. ▶ RAM D-size (2.25") ball connected to a 4.75" square plate with 4x100mm holes and 4x75mm holes in each corner. ▶ Includes 4 bolts, nuts, and lock washers ▶ Uses RAM Mount P/N RAM-D-246 and includes hardware for attaching to MT4200 Quick Release Mount 	<ul style="list-style-type: none"> ▶ Quick Release Mount (MT4200) <p>Typically used along with the following:</p> <ol style="list-style-type: none"> 1. RAM Double Socket Arm 2. RAM Clamp Base, Rail Base or Round Plate Base. <p>Refer to Common Mounting Systems TAG for details.</p>
Misc				
Part Number	Picture	Description	Notes	Required Items
VA6200		Screen Protector	▶ Pack of 3	
AN2010		External antenna for indoor/outdoor use Dual Band (2.4Ghz/5Ghz)	<ul style="list-style-type: none"> ▶ Used when the VH10 is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage. ▶ Dual band, 802.11a/b/g/n, 2 dBi, RPSMA connector, magnetic mount, 2.9 meter cable 	
AN2020		External antenna for indoor/outdoor use (2.4Ghz only)	<ul style="list-style-type: none"> ▶ Used when the VH10 is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage. ▶ 2.4 GHz, 802.11 b/g, 5 dBi, RPSMA connector, magnetic mount, 2.9 meter cable 	
AN2030		External antenna for indoor/outdoor use Dual Band (2.4Ghz/5Ghz) Stubby	<ul style="list-style-type: none"> ▶ Used when the VH10 is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage. ▶ Whip antenna (stubby), dual band, 802.11 a/b/g/n, 2.4GHz 2dBi, 5GHz 3.7dBi, RPSMA connector ▶ Articulating antenna - can be rotated 360 degree and has 3 positive stops: straight, 45° and 90° bend. 	

20667-002		External antenna for indoor/outdoor use (2.4Ghz only) Stubby	<ul style="list-style-type: none"> ▶ Used when the VH10 is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage. ▶ Whip antenna (stubby), 802.11 b/g, 2.4GHz 2dBi, RPSMA connector ▶ Antenna does not articulate 	
AR1000		Right Angle SMA reverse polarity plug-jack Adapter	Provides additional direction options for antennas	
9009801		Narrowband Antenna	<ul style="list-style-type: none"> ▶ For VH10 units with Narrowband radio ▶ 1/4 wave type ▶ VSWR 2.5:1 max ▶ Whip antenna design ▶ SMA male connector ▶ 403-512MHz ▶ 0dBi ▶ 17 cm (6.75") length ▶ Mounts directly on VH10 or can be mounted externally using 9009792 Magnetic Mount 	
9009792		Magnetic Mount for Narrowband Antenna	<ul style="list-style-type: none"> ▶ For VH10 units with Narrowband radio ▶ Allows Narrowband Antenna (9009801) to be mounted on roof of vehicle ▶ SMA connector ▶ 12' cable 	9009801 Narrowband Antenna
SL0001		Stylus and Stylus Holder		



Power Options


Part Number	Picture	Description	Notes	Required Items
CA1210		Power Supply Cable	<ul style="list-style-type: none"> ▶ Connects to vehicle power supply/battery or PS1370 Voltage Pre-Regulator ▶ 6 ft. long, waterproof ▶ Internal P/N CB000309A01 	
CA1220		Power Supply Cable - with ignition sense	<ul style="list-style-type: none"> ▶ Connects to vehicle power supply/battery ▶ 6 ft. long, waterproof ▶ Connects to ignition switch on forklift to suspend device after ignition is turned off ▶ Internal P/N CB000308A01 	
CA1230		Power Supply Extension Cable or Power Supply Cable for Pre-Regulator - with ignition sense	<ul style="list-style-type: none"> ▶ Cable can be used for the following: <ol style="list-style-type: none"> 1. Connect to existing Power Supply Cable (i.e. CA1210 or CA1220) to extend overall length an additional 6 ft. 2. Use with External Voltage Pre-Regulator (PS1370) - power out. ▶ 6 ft. long, waterproof ▶ Includes ignition sense cable which can be optionally used to connect to ignition switch on forklift and suspend device after ignition is turned off ▶ Internal P/N 13985-303 	

CB000416A01		VC70 Power Cable to VH10/VC80 Converter Cable	<ul style="list-style-type: none"> ▶ Allows VH10 or VC80 to be powered from VC70 power cable ▶ Allows forklifts wired for VC70 to be easily converted to VH10 or VC80. 	VC70 Power Cable (25-159551-01)
CB000417A01		VC5090 Power Cable to VH10/VC80 Converter Cable	<ul style="list-style-type: none"> ▶ Allows VH10 or VC80 to be powered from VC5090 power cable ▶ Allows forklifts wired for VC5090 to be easily converted to VH10 or VC80. 	VC5090 Power Cable (25-71919-xxR)
A9169798		LXE/Honeywell Power Cable to VH10/VC80 Converter Cable	<ul style="list-style-type: none"> ▶ Allows VH10 or VC80 to be powered from LXE/Honeywell power cable ▶ Allows forklifts wired for VX8, VX9, VM1, VM2, and VM3 to be easily converted to VH10 or VC80. ▶ NOTE: Converter Cable is NOT compatible with freezer versions of VH10/VC80. The higher current draw of the heater may exceed the rating of the Honeywell cable. The Honeywell cable must be replaced with the VH10/VC80 dedicated cable (CA1210, CA1220, etc.) instead - refer to PMB 2050. 	
A9169801		LXE/Honeywell Power and Screen Blanking Cable to VH10/VC80 Converter Cable	<ul style="list-style-type: none"> ▶ Allows VH10 or VC80 to be powered from LXE/Honeywell power cable ▶ Allows forklifts wired for VX8, VX9, VM1, VM2, and VM3 to be easily converted to VH10 or VC80. ▶ Screen blanking cable connects to RS232 port. ▶ NOTE: Converter Cable is NOT compatible with freezer versions of VH10/VC80. The higher current draw of the heater may exceed the rating of the Honeywell cable. The Honeywell cable must be replaced with the VH10/VC80 dedicated cable (CA1210, CA1220, etc.) instead - refer to PMB 2050. 	
PS1370		External Voltage Pre-Regulator	<ul style="list-style-type: none"> ▶ Allows the installation of the VH10 on electric trucks with batteries greater than 48V ▶ 19-90 VDC in, 15 VDC out, 90 W 	CA1210 (Power Supply Cable) connects vehicle power to PS1370 AND CA1230 (Power Supply Extension cable with Ignition Sense) connects PS1370 to VH10


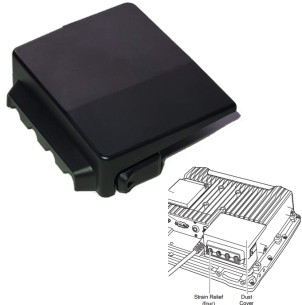
PS1450		AC Power Supply Kit	<ul style="list-style-type: none"> ▶ Includes 100/240 VAC Power Supply and Power Cable Adapter (CA4000) ▶ This is the recommended AC Power Supply for the VH10 ▶ 18V, 3.3A output (for older 1100666 power supply) ▶ 10/2016 - Updated to include PWR-BGA12V72W0WW power supply which replaces 1100666 power supply - new power supply is 12V, 6A, 72W output and meets US DOE Level VI compliance for power efficiency - PMB 2851 	AC Line Cord (23844-00-00R)
PWR-BGA12V72W0WW		AC Power Supply	<ul style="list-style-type: none"> ▶ Used to power device from AC wall outlet. ▶ 100-240 VAC, 12V, 6A, 72W ▶ Provides US DOE Level VI compliance for power efficiency. ▶ Replaces 1100666 Power Supply 	Power Adapter Cable (CA4000) and AC Line Cord (23844-00-00R)
CA4000		Power Cable Adapter	<ul style="list-style-type: none"> ▶ CPC connector to 100/240 VAC power supply ▶ Included with PS1450 Supply Kit and needed when using PWR-BGA12V72W0WW Power Supply. 	
23844-00-00R		AC Line Cord	<ul style="list-style-type: none"> ▶ Used with Power Supply PWR-BGA12V72W0WW and Power Supply PS1450 (when it includes Power Supply PWR-BGA12V72W0WW). ▶ This AC Line Cord is for use in North America. See the AC Line Cords by Country TAG for comparable line cords to use in other countries. 	
9008693		AC Line Cord	<ul style="list-style-type: none"> ▶ to be discontinued 2/2021, see PMB 10520 ▶ Used with PS1450 (when it includes Power Supply 1100666) or PS1400 AC Power Supply. ▶ This AC Line Cord is for use in North America. See the AC Line Cords by Country TAG for comparable line cords to use in other countries. 	

Replacement Equipment

Part Number	Picture	Description	Notes	Required Items
AL1001		QWERTY Keypad	▶ Wear item replacement elastomer keyboard	ST2000 Modular Services Kit for required toolset
AL1002		AZERTY Keypad	▶ Wear item replacement elastomer keyboard	ST2000 Modular Services Kit for required toolset
AL2001		Front with standard touch screen and function keys		ST2000 Modular Services Kit for required toolset

AL2002		Front with heated touch screen and function keys		ST2000 Modular Services Kit for required toolset
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Misc Replacement Equipment

Part Number	Picture	Description	Notes	Required Items
ST2000		Modular Services Kit	<ul style="list-style-type: none"> ► Includes: <ul style="list-style-type: none"> - ESD safe T6 Torx torque bit - ESD safe T10 Torx torque bit - Phillips #2 torque bit - ESD safe torque driver for bits - ESD mat with wrist strap - Keypad Bezel Removal tool needed to replace modular components such as displays, scanners, radios, keypads, modules, etc. 	
8710-058000-50		Replacement Dust Cover	<ul style="list-style-type: none"> ► This cover is installed on the rear of the device and secures USB cables connected to the device. ► NOTE: This is a Spare/Service Parts item. Contact an authorized Zebra reseller to order. 	