



## VC8x Series Technical Accessory Guide



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

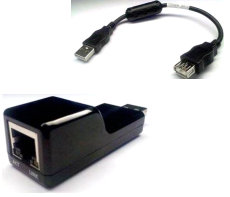

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### Communication Cables and Accessories



Part Number	Picture	Description	Notes	Required Items
CBL-TC2X-USBC-01 or CBL-TC5X-USBC2A-01		USB-C cable for VC8300 ADB connection	<ul style="list-style-type: none"> <li>▶ USB-A to USB-C cable</li> <li>▶ Attaches to USB-C port under the top cover of the VC8300 to enable ADB (Android Debug Bridge) connection.</li> </ul>	
25-124330-01R		micro-USB cable for VC80X ADB connection	<ul style="list-style-type: none"> <li>▶ USB-A to micro-USB cable</li> <li>▶ Attaches to micro-USB port under the top cover of the VC80X to enable ADB (Android Debug Bridge) connection.</li> </ul>	
CBA-UF6-C09ZAR-KIT		VC8x to 36xx Series Scanner Cable (USB)	<ul style="list-style-type: none"> <li>▶ Cable rated for 1.2A current</li> <li>▶ Coiled cable is 9 ft long when extended and is about 5 ft. long when un-extended.</li> <li>▶ Rated to -30°C for freezer environment use.</li> <li>▶ 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.</li> </ul>	
CBA-UF8-C12ZAR		VC8x to 36xx Series Scanner Cable (USB)	<ul style="list-style-type: none"> <li>▶ Cable rated for 1.2A current</li> <li>▶ Coiled cable is 12 ft long when extended</li> <li>▶ Rated to -30°C for freezer environment use.</li> <li>▶ 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.</li> </ul>	
CBA-UF6-C12ZAR		VC8x to 36xx Series Scanner Cable (USB)	<ul style="list-style-type: none"> <li>▶ Cable rated for 1.2A current</li> <li>▶ 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.</li> <li>▶ Rated to -30°C for freezer environment use.</li> <li>▶ 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.</li> </ul>	

CBA-U12-C09ZAR		Generic Cable to Scanners 34xx/35xx Cable (USB)	<ul style="list-style-type: none"> <li>▶ Provides enough power for DS3508-ER</li> <li>▶ 9 ft long when extended</li> </ul>	
CBA-U09-C15ZAR		Generic Cable to Scanners 34xx/35xx Cable (USB)	<ul style="list-style-type: none"> <li>▶ Provides enough power for DS3508-ER</li> <li>▶ 15 ft long when extended</li> </ul>	
CBA-R71-C09ZAR		VC8x to 36xx Series Scanner Cable (Serial)	<ul style="list-style-type: none"> <li>▶ VC8x provides power to scanner on pin 9 (COM 1 port)</li> <li>▶ Provides enough power for DS3608-ER in default power mode.</li> <li>▶ 9 ft. coiled cable</li> </ul>	
CBA-RF2-C09ZAR		VC8x to 36xx Series Scanner Cable (Serial) (Freezer Rated)	<ul style="list-style-type: none"> <li>▶ Rated to -30°C for freezer environment use.</li> <li>▶ VC8x provides power to scanner on pin 9 (COM 1 port)</li> <li>▶ Provides enough power for DS3608-ER in default power mode.</li> <li>▶ 9 ft. coiled cable</li> </ul>	
CBA-R37-C09ZBR		VC8x to 34xx/35xx Series Scanner Cable (Serial)	<ul style="list-style-type: none"> <li>▶ VC8x provides power to scanner on pin 9 (COM1 or COM2 port)</li> <li>▶ Provides enough power for DS3508-ER.</li> <li>▶ 9 ft. coiled cable</li> <li>▶ Includes improved TTL current limit protection vs. CBA-R37-C09ZAR.</li> </ul>	
CBA-R37-C09ZAR		VC8x to 34xx/35xx Series Scanner Cable (Serial)	<ul style="list-style-type: none"> <li>▶ Discontinued 4/2020, now use CBA-R37-C09ZBR - see PMB 10343.</li> <li>▶ VC8x provides power to scanner on pin 9 (COM1 or COM2 port)</li> <li>▶ Provides enough power for DS3508-ER.</li> <li>▶ 9 ft. coiled cable</li> <li>▶ Includes improved strain relief design from CBA-R36-C09ZAR</li> </ul>	
CBA-R36-C09ZAR		VC80 to 34xx/35xx Series Scanner Cable (Serial)	<ul style="list-style-type: none"> <li>▶ Discontinued 3/2013, now use CBA-R37-C09ZAR</li> <li>▶ VC80 provides power to scanner on pin 9 (COM1 or COM2 port)</li> <li>▶ Provides enough power for DS3508-ER.</li> <li>▶ 9 ft. coiled cable</li> </ul>	

<p>KT-SCANMNT-VC80-R</p>		<p>Side Mount Scanner Holder</p>	<ul style="list-style-type: none"> <li>▶ Used to mount an external Scanner (i.e. LS/DS 34xx/35xx) on the side of the VC8x.</li> <li>▶ Eliminates the need for a scanner Tool Balancer/Pulley</li> <li>▶ Two piece solution - bottom piece pictured attaches to side of VC8x. Top piece pictured attaches to bottom piece and holds scanner.</li> <li>▶ Mounting hardware (screws) included.</li> <li>▶ L136xx/DS36xx will not fit properly in this mount unless it is bent a little to make the bracket/mount wider.</li> </ul>	
<p>P1031365-053</p>		<p>QLn Printer Serial Cable</p>	<ul style="list-style-type: none"> <li>▶ Connects to serial port on VC8x</li> <li>▶ 6 ft. straight cable</li> </ul>	
<p>P1031365-055</p>		<p>QLn Series Printer USB Cable</p>	<ul style="list-style-type: none"> <li>▶ Connects to USB port on VC8x</li> <li>▶ 6 ft. straight cable</li> </ul>	
<p>CA1300</p>		<p>Screen Blanking Cable</p>	<ul style="list-style-type: none"> <li>▶ Allows VC8x screen to turn off while vehicle is in motion for enhanced safety</li> <li>▶ Connects to Serial port on VC8x</li> <li>▶ DB9 to open wire</li> <li>▶ Open wires are connected to user/vehicle supplied switch or relay</li> <li>▶ Control Panel option on VC8x enables screen blanking feature.</li> </ul>	
<p>CB-000433-01</p>		<p>CAN Bus Cable</p>	<ul style="list-style-type: none"> <li>▶ RJ45 to Deutsch connector</li> <li>▶ Requires VC8x SKU option with CAN-Bus.</li> <li>▶ Not compatible with VC80X or VC8300 (Android) units.</li> </ul>	








WA4070		Ethernet Adapter for VC80X or VC8300	<ul style="list-style-type: none"> <li>▶ USB to Ethernet adapter with USB extension cable</li> <li>▶ Compatible with VC80X or VC8300 (Android) units.</li> </ul>	
3rd party *	 <a href="http://www.multitech.com/brands/multiconnect-cell-100-series">http://www.multitech.com/brands/multiconnect-cell-100-series</a>	Cellular/WWAN Gateway	<ul style="list-style-type: none"> <li>▶ Provides cellular connection to VC80 for installations where WiFi may not be available (i.e. spot trucks in yards)</li> <li>▶ Connects to VC80 via USB port.</li> <li>▶ Gateway is powered from VC80 USB port.</li> <li>▶ Supports various cellular carriers - AT&amp;T, Verizon, T-Mobile, Rogers.</li> <li>▶ Not compatible with VC80X or VC8300 (Android) units.</li> </ul>	






**Vehicle Mounting Hardware and Accessories**  
 see additional mounting options in the Common Mounting Systems TAG  
 NOTE: When using RAM Mount hardware with VC8X 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"> <li>▶ Makes it easy to transfer VC8x to another vehicle or remove it for maintenance/repair.</li> <li>▶ No tools are required to dismount device.</li> <li>▶ Device can be removed in as little as 10 seconds</li> <li>▶ Can be used alone, in combination with the Cantilever Mount (MT1002), or Vesa Plate Base (MT3501)</li> <li>▶ Includes Quick Release Mount that attaches to sides of VC8x and Mounting Plate (MT4205) that attaches to forklift.</li> <li>▶ VC8x can be mounted to Quick Release Mount on an angle for easier viewing.</li> <li>▶ Internal P/N 1917726</li> </ul>	
MT4205		Mounting Plate for Quick Release Mount	<ul style="list-style-type: none"> <li>▶ Spare/extra Mounting Plate</li> <li>▶ Allows one VC8x unit to be quickly and easily attached to more than one forklift.</li> <li>▶ Can be mounted to the Cantilever Mount (MT1002) or Vesa Plate Base (MT3501)</li> </ul>	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>MT3410</p>		<p>Heavy Duty Mount Kit</p>	<p>► Discontinued 4/2015 ► Allows VC80 to be angled in three positions, as needed (0°, 15°, and 30°)</p>	<p>Adapter Bracket for 82xx series Quick Release Mount (MT4210)</p>
<p>MNT-VC80-ADPA1-1</p>		<p>Adapter Brackets for VC5090 U-Mount Bracket</p>	<p>► Allows VC8x 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 VC8x to be used with LXE/Honeywell U-Mount brackets - HON P/N VM1010BRKTKIT ► Includes mounting hardware</p>	

MT4210		Adapter Bracket for 82xx series Quick Release Mount	<ul style="list-style-type: none"> <li>▶ Allows VC8x to be used with the 82XX Series Quick Release Mount (PN 18457 for Mount and PN 17529 for Mounting Plate)</li> </ul>	
MT1002		Cantilever Mount	<ul style="list-style-type: none"> <li>▶ Discontinued 12/2015 - PMB 2723</li> <li>▶ Attaches to fork lift pole</li> <li>▶ Includes mounting hardware</li> <li>▶ VC80 can be attached to the mount's VESA plate using:               <ul style="list-style-type: none"> <li>(1) Quick Release Mount (MT4200 and MT4205)</li> <li>or</li> <li>(2) RAM mount arm (MT3501, MT4301/MT4302, and MT4510)</li> </ul> </li> </ul>	
MT4510		RAM Rectangular Base with mounting hardware	<ul style="list-style-type: none"> <li>▶ Base will install directly on the back of the VC8x using included hardware.</li> <li>▶ 2"x3" base</li> <li>▶ RAM D-size ball</li> <li>▶ Uses RAM Mount P/N RAM-D-202U-23 and includes hardware for mounting to back of VC8x</li> </ul>	<p>Typically used along with the following:</p> <ol style="list-style-type: none"> <li>1. RAM Double Socket Arm</li> <li>2. RAM Clamp Base, Rail Base or Round Plate Base.</li> </ol> <p>Refer to Common Mounting Systems TAG for details.</p>
MT3501		RAM VESA Plate Base with mounting hardware	<ul style="list-style-type: none"> <li>▶ Attaches to Quick Release Mount (MT4200) and is typically used with the 4" or 12" RAM arm (MT4301 or MT4302) to mount VC8x on any plane.</li> <li>▶ RAM D-size (2.25") ball connected to a 4.75" square plate with 4x100mm holes and 4x75mm holes in each corner.</li> <li>▶ Includes 4 bolts, nuts, and lock washers</li> <li>▶ Uses RAM Mount P/N RAM-D-246 and includes hardware for attaching to MT4200 Quick Release Mount</li> </ul>	<p>▶ Quick Release Mount (MT4200)</p> <p>Typically used along with the following:</p> <ol style="list-style-type: none"> <li>1. RAM Double Socket Arm</li> <li>2. RAM Clamp Base, Rail Base or Round Plate Base.</li> </ol> <p>Refer to Common Mounting Systems TAG for details.</p>
100142 (3rd party) *		ProClip VC8X AMPS Adapter Plate	<ul style="list-style-type: none"> <li>▶ Adapts the VC8X back hole pattern to industry standard AMPS hole pattern.</li> <li>▶ Plate attaches to back of VC8X and is threaded for M4 screws.</li> <li>▶ Recessed for flush mounting.</li> <li>▶ Allows ProClip Heavy-Duty Forklift Mounts to be used with VC8X.</li> </ul>	
<b>Misc</b>				
<b>Part Number</b>	<b>Picture</b>	<b>Description</b>	<b>Notes</b>	<b>Required Items</b>
KT-SPRTCT-VC70-05R		VC80/VC80X Screen Protector (pack of 5)	<ul style="list-style-type: none"> <li>▶ Compatible with VC80 and VC80X (10" display)</li> </ul>	





KT-AREFL-VC83-8-1		VC8300 Anti-Reflective Screen Overlay (pack of 3)	<ul style="list-style-type: none"> <li>▶ Compatible with VC8300 (8" display)</li> <li>▶ Foil screen overlay helps minimize reflections from overhead lighting.</li> </ul>	
KT-KBOVL-VC83-10		VC8300 Keyboard Overlay (pack of 10)	<ul style="list-style-type: none"> <li>▶ Overlay is installed on top of VC8300 keyboard and provides legend for special characters.</li> <li>▶ Can be used by customers that prefer key sequences for accessing special characters vs. using Diamond key and on-screen special character selector.</li> <li>▶ StageNow barcode can be used to program VC8300 to access the overlay's special characters using Blue Function + key.</li> <li>▶ NOTE: This is a custom product. Please work with your Zebra representative to open a Custom Product Request (CPR) if you would like to order this item.</li> </ul>	
AN2010		External antenna for indoor/outdoor use Dual Band (2.4Ghz/5Ghz)	<ul style="list-style-type: none"> <li>▶ Used when the VC8x is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage.</li> <li>▶ Dual band, 802.11a/b/g/n/ac, 2 dBi, RPSMA connector, magnetic mount, 2.9 meter cable</li> </ul>	
AN2020		External antenna for indoor/outdoor use (2.4Ghz only)	<ul style="list-style-type: none"> <li>▶ Used when the VC8x is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage.</li> <li>▶ 2.4 GHz, 802.11 b/g, 5 dBi, RPSMA connector, magnetic mount, 2.9 meter cable</li> </ul>	
AN2030		External antenna for indoor/outdoor use Dual Band (2.4Ghz/5Ghz) Stubby	<ul style="list-style-type: none"> <li>▶ Used when the VC8x is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage.</li> <li>▶ Whip antenna (stubby), dual band, 802.11 a/b/g/n/ac, 2.4GHz 2dBi, 5GHz 3.7dBi, RPSMA connector</li> <li>▶ Articulating antenna - can be rotated 360 degree and has 3 positive stops: straight, 45° and 90° bend.</li> </ul>	
20667-002		External antenna for indoor/outdoor use (2.4Ghz only) Stubby	<ul style="list-style-type: none"> <li>▶ Used when the VC8x is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage.</li> <li>▶ Whip antenna (stubby), 802.11 b/g, 2.4GHz 2dBi, RPSMA connector</li> <li>▶ Antenna does not articulate</li> </ul>	
AN000090A01		Spare Active GNSS (GPS) external antenna	<ul style="list-style-type: none"> <li>▶ NOTE: This antenna is already included with VC80 configurations using GPS.</li> <li>▶ Used when the VC80 is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage.</li> <li>▶ SMA connector, magnetic mount, 2.9 meter cable.</li> <li>▶ Not compatible with VC80X or VC8300 (Android) units.</li> </ul>	

AR1000		Right Angle SMA reverse polarity plug-jack Adapter	Provides additional direction options for external antennas	
SPR-SMA-DC-10		External Antenna Jack Dust Cover (pack of 10)	<ul style="list-style-type: none"> <li>▶ Used to cover external antenna jacks on top of VC80X or VC8300 unit when the internal antennas are used.</li> <li>▶ Prevents dust and dirt from getting into external antenna jacks.</li> <li>▶ Two dust covers will be needed for each VC80X or VC8300 unit. Pack of 10 covers will supply enough covers for five devices.</li> </ul>	
SL0001		Stylus and Stylus Holder	<ul style="list-style-type: none"> <li>▶ Only compatible with VC80 and VC80X which have a resistive touch panel. Not compatible with VC8300 which has a capacitive touch panel.</li> <li>▶ Stylus Holder uses double sided tape to attach to top or side of VC8X unit.</li> <li>▶ Optional coiled Tether (SG-ET5X-SLTETR-01 or KT-TC7X-TETHER1-03) can be used to secure stylus to Holder to prevent loss.</li> </ul>	
SG-STYLUS-TCX-MTL-03 (pack of 3)		Fiber Tipped Stylus	<ul style="list-style-type: none"> <li>▶ Only compatible with VC8300 which has a capacitive touch panel. Not compatible with VC80 and VC80X which have a resistive touch panel.</li> <li>▶ Black Passive Stylus with Zebra logo</li> <li>▶ 5" length</li> <li>▶ Heavy duty - made from stainless steel and brass. No plastic parts - real pen feel.</li> <li>▶ Can be used in rain.</li> <li>▶ Micro-Knit Hybrid Mesh Fiber Tip provides silent, smooth gliding use.</li> <li>▶ Big improvement over rubber tipped or plastic tipped stylus.</li> <li>▶ Compatible with all capacitive touch screen devices.</li> <li>▶ Can be tethered to device using KT-TC7X-TETHER1-03 or SG-ET5X-SLTETR-01.</li> </ul>	
SG-ET5X-SLTETR-01		Coiled Tether for Stylus		
KT-TC7X-TETHER1-03 (pack of 3)		Coiled Tether for Stylus		








3rd party *		Locking USB port cover/insert	<ul style="list-style-type: none"> <li>▶ Prevents unauthorized access/use of USB ports on bottom of VC8x</li> <li>▶ Requires "key" to install and remove the USB insert</li> <li>▶ Covers/inserts can be ordered in different colors, each color having a unique "key"</li> </ul>	
<b>Headset/Audio Accessories</b>				
<b>Wired Headsets and Audio Accessories</b>				
Part Number	Picture	Description	Notes	Required Items
M1000		External Push-To-Talk (PTT) Speaker Microphone	<ul style="list-style-type: none"> <li>▶ External side-mount PTT microphone and speaker</li> <li>▶ Enables the device to replace a walkie-talkie by voice-over-IP</li> </ul>	
<b>Bluetooth Headsets and Audio Accessories</b>				
Part Number	Picture	Description	Notes	Required Items
See HS2100-HS3100 Accessories Document		HS3100 Rugged Bluetooth Headset	<ul style="list-style-type: none"> <li>▶ HD Voice, also known as Wide Band Audio, brings incredible audio clarity</li> <li>▶ Built to handle the everyday inevitable drops</li> <li>▶ Dustproof, sprayproof and waterproof</li> <li>▶ Ready for the freezer and outdoor subzero temperatures</li> <li>▶ Feather-light for extraordinary comfort</li> <li>▶ Noise cancellation for a superior voice experience in the noisiest environments</li> <li>▶ Swap batteries on the fly — without losing the Bluetooth connection</li> <li>▶ Split-second tap-to-pair simplicity using NFC.</li> <li>▶ Detachable swivel boom minimizes costs.</li> <li>▶ Swivelling boom mutes microphone allowing uses to prevent voice pick applications from recognizing non-voice pick conversations.</li> <li>▶ User-replaceable pads and windscreens maximize comfort and hygiene</li> <li>▶ 15 hours of battery power</li> </ul>	See HS2100/HS3100 Accessories Document for headset accessories
various Bluetooth models B550-XT B350-XT C400-XT C300-XT  (3rd party) *  <a href="http://www.blueparrott.com">http://www.blueparrott.com</a>		BlueParrott Bluetooth Headsets	<ul style="list-style-type: none"> <li>▶ Various Bluetooth models available with options that include:               <ul style="list-style-type: none"> <li>- Blocking out 96% of background noise</li> <li>- Over 24 hours of talk time</li> <li>- NFC Tap to Pair capable</li> <li>- Bluetooth wireless range capable up to 300 ft.</li> <li>- Convertible wearing options: over the head, behind the neck.</li> </ul> </li> </ul> See BlueParrot site for model specific options.	

<p>3PTY-VXI-B350XT (Zebra orderable SKU)</p> <p><a href="http://www.vxicorp.com">http://www.vxicorp.com</a></p>		<p>BlueParrott Bluetooth Headset for voice directed applications</p> 	<ul style="list-style-type: none"> <li>▶ Discontinued 10/2018, now use HS3100 series - PMB 10005</li> <li>▶ Used to enable Voice Directed Picking (VDP) or Speech Applications in warehouse environments when the use of a wireless headset is desired</li> <li>▶ <b>Not</b> intended to support peer-to-peer communications (PTT) or VoIP calls.</li> <li>▶ Provides 24 hours talk time.</li> <li>▶ Allows the use of other BT devices (i.e. RS6000 scanner or mobile printer)</li> <li>▶ Zebra Compatible certification for VDP application use with MC32.</li> </ul>	
<p>3PTY-VXI-B250XTP (Zebra orderable SKU)</p> <p><a href="http://www.vxicorp.com">http://www.vxicorp.com</a></p>		<p>BlueParrott Bluetooth Headset for voice directed applications</p> 	<ul style="list-style-type: none"> <li>▶ Discontinued 10/2018, now use HS3100 series - PMB 10005</li> <li>▶ Used to enable Voice Directed Picking (VDP) or Speech Applications in warehouse environments when the use of a wireless headset is desired</li> <li>▶ <b>Not</b> intended to support peer-to-peer communications (PTT) or VoIP calls.</li> <li>▶ Provides 20 hours talk time.</li> <li>▶ Allows the use of other BT devices (i.e. RS6000 scanner or mobile printer)</li> </ul>	
<p>3PTY-VXI-EXPWAYII (Zebra orderable SKU)</p> <p><a href="http://www.vxicorp.com">http://www.vxicorp.com</a></p>		<p>BlueParrott Bluetooth Headset for voice directed applications</p> 	<ul style="list-style-type: none"> <li>▶ Discontinued 10/2018, now use HS3100 series - PMB 10005</li> <li>▶ Used to enable Voice Directed Picking (VDP) or Speech Applications in warehouse environments when the use of a wireless headset is desired</li> <li>▶ <b>Not</b> intended to support peer-to-peer communications (PTT) or VoIP calls.</li> <li>▶ Provides 8 hours talk time.</li> <li>▶ Allows the use of other BT devices (i.e. RS6000 scanner or mobile printer)</li> <li>▶ Zebra Compatible certification for VDP application use with MC92, VC70, WT41 and MC32.</li> </ul>	
<p>APTT1 (3rd party) *</p> <p><a href="https://www.aina-wireless.com">https://www.aina-wireless.com</a></p>		<p>Aina Push-To-Talk (PTT) Bluetooth Voice Responder Remote Speaker/Mic (RSM)</p>	<ul style="list-style-type: none"> <li>▶ Bluetooth speaker-microphone designed to work with different walkie talkie style Push-to-Talk applications, including Zebra PTT Pro (check with Zebra PTT Pro engineering team for current device/OS support).</li> <li>▶ Includes clip for attaching device to clothing for lapel speaker/mic usage.</li> <li>▶ Features several buttons which the application developers can assign to different functions.</li> <li>▶ Users can remotely control functions such as push-to-talk, phone calls, channel switching and emergency alerts.</li> <li>▶ Device is ruggedized, MIL-STD 810G and IP67.</li> <li>▶ Long lasting battery designed for 24 hour approx battery life. Can be recharged via micro-USB port.</li> <li>▶ Includes 3.5mm headset jack allowing headphones to be connected for keeping conversations more private.</li> <li>▶ Can be easily paired to mobile computer using NFC tap-to-pair.</li> </ul>	

<p>H3-B-1 (3rd party) *</p> <p><a href="https://www.dellking.com">https://www.dellking.com</a></p>		<p>Wandfu H3 Push-To-Talk (PTT) Bluetooth Remote Speaker/Mic (RSM)</p>	<ul style="list-style-type: none"> <li>▶ Bluetooth speaker-microphone designed to work with different walkie talkie style Push-to-Talk applications, including Zebra PTT Pro (check with Zebra PTT Pro engineering team for current device/OS support).</li> <li>▶ Includes clip for attaching device to clothing for lapel speaker/mic usage.</li> <li>▶ Includes 3.5mm headset jack allowing headphones to be connected for keeping conversations more private.</li> </ul>	
<p>BTR-155 (3rd party) *</p> <p>K551011 (Zebra orderable SKU) ▶ Discontinued 3/2019, now order from Savox</p> <p><a href="https://www.savoxaccessories.com">https://www.savoxaccessories.com</a></p>		<p>Savox BTR-155 Bluetooth Remote Speaker/Mic (RSM)</p>	<ul style="list-style-type: none"> <li>▶ Bluetooth speaker-microphone designed to work with different walkie talkie style Push-to-Talk applications, including Zebra PTT Pro (check with Zebra PTT Pro engineering team for current device/OS support).</li> <li>▶ Includes clip for attaching device to clothing for lapel speaker/mic usage.</li> <li>▶ Rugged wireless speaker microphone IP55.</li> <li>▶ Allows cable-free movement</li> <li>▶ Familiar speaker microphone functions; PTT and volume buttons</li> <li>▶ Includes 2.5mm headset jack allowing headphones to be connected for keeping conversations more private.</li> <li>▶ LED status indication</li> <li>▶ High speaker volume</li> <li>▶ Includes: <ul style="list-style-type: none"> <li>- Savox RSM</li> <li>- Modular Wired earpiece</li> <li>- Wall Charger</li> <li>- USB Cable</li> <li>- Quick Start Guide</li> <li>- Carrying Strap</li> </ul> </li> </ul>	
<p>BTH-101 (3rd party) *</p> <p><a href="https://www.savoxaccessories.com">https://www.savoxaccessories.com</a></p>		<p>Savox Push-To-Talk (PTT) Bluetooth Headset</p>	<ul style="list-style-type: none"> <li>▶ Bluetooth headset designed to work with different walkie talkie style Push-to-Talk applications, including Zebra PTT Pro (check with Zebra PTT Pro engineering team for current device/OS support).</li> <li>▶ Also operates as standard Bluetooth headset for taking phone calls.</li> <li>▶ Device is lightweight and ruggedized, IP55.</li> </ul>	
<b>Power Options</b>				
<b>Part Number</b>	<b>Picture</b>	<b>Description</b>	<b>Notes</b>	<b>Required Items</b>
CA1210		Power Supply Cable	<ul style="list-style-type: none"> <li>▶ Connects to vehicle power supply/battery or PS1370 Voltage Pre-Regulator (power in).</li> <li>▶ 6 ft. long, waterproof</li> <li>▶ Internal P/N CB000309A01</li> </ul>	


CA1220		Power Supply Cable - with ignition sense	<ul style="list-style-type: none"> <li>▶ Connects to vehicle power supply/battery</li> <li>▶ 6 ft. long, waterproof</li> <li>▶ Connects to ignition switch on forklift to suspend device after ignition is turned off</li> <li>▶ Internal P/N CB000308A01</li> </ul>	
CA1230		Power Supply Extension Cable or Power Supply Cable for Pre-Regulator - with ignition sense	<ul style="list-style-type: none"> <li>▶ Cable can be used for the following:               <ol style="list-style-type: none"> <li>1. Connect to existing Power Supply Cable (i.e. CA1210 or CA1220) to extend overall length an additional 6 ft.</li> <li>2. Use with External Voltage Pre-Regulator (PS1370) - power out.</li> </ol> </li> <li>▶ 6 ft. long, waterproof</li> <li>▶ Includes ignition sense cable which can be optionally used to connect to ignition switch on forklift and suspend device after ignition is turned off</li> <li>▶ Internal P/N 13985-303</li> </ul>	
CB000416A01		VC70 Power Cable to VH10/VC8x Converter Cable	<ul style="list-style-type: none"> <li>▶ Allows VH10 or VC8x to be powered from VC70 power cable</li> <li>▶ Allows forklifts wired for VC70 to be easily converted to VH10 or VC8x.</li> </ul>	VC70 Power Cable (25-159551-01)
CB000417A01		VC5090 Power Cable to VH10/VC8x Converter Cable	<ul style="list-style-type: none"> <li>▶ Allows VH10 or VC8x to be powered from VC5090 power cable</li> <li>▶ Allows forklifts wired for VC5090 to be easily converted to VH10 or VC8x.</li> </ul>	VC5090 Power Cable (25-71919-xxR)
A9169798		LXE/Honeywell Power Cable to VH10/VC8x Converter Cable	<ul style="list-style-type: none"> <li>▶ Allows VH10 or VC8x to be powered from LXE/Honeywell power cable</li> <li>▶ Allows forklifts wired for VX8, VX9, VM1, VM2, and VM3 to be easily converted to VH10 or VC8x.</li> <li>▶ NOTE: Converter Cable is NOT compatible with freezer versions of VH10/VC8x. The higher current draw of the heater may exceed the rating of the Honeywell cable. The Honeywell cable must be replaced with the VH10/VC8x dedicated cable (CA1210, CA1220, etc.) instead - refer to PMB 2959.</li> </ul>	

A9169801		LXE/Honeywell Power and Screen Blanking Cable to VH10/VC8x Converter Cable	<ul style="list-style-type: none"> <li>▶ Allows VH10 or VC8x to be powered from LXE/Honeywell power cable</li> <li>▶ Allows forklifts wired for VX8, VX9, VM1, VM2, and VM3 to be easily converted to VH10 or VC8x.</li> <li>▶ Screen blanking cable connects to RS232 port.</li> <li>▶ NOTE: Converter Cable is NOT compatible with freezer versions of VH10/VC8x. The higher current draw of the heater may exceed the rating of the Honeywell cable. The Honeywell cable must be replaced with the VH10/VC8x dedicated cable (CA1210, CA1220, etc.) instead - refer to PMB 2959.</li> </ul>	
PS1370		External Voltage Pre-Regulator	<ul style="list-style-type: none"> <li>▶ Allows the installation of the VC8x on electric trucks with batteries greater than 48V</li> <li>▶ 19-90 VDC in, 15 VDC out, 90 W</li> </ul>	CA1210 (Power Supply Cable) connects vehicle power to PS1370 AND CA1230 (Power Supply Extension cable with Ignition Sense) connects PS1370 to VC8x
PS1450		AC Power Supply Kit	<ul style="list-style-type: none"> <li>▶ Includes 100/240 VAC Power Supply and Power Cable Adapter (CA4000)</li> <li>▶ 18V, 3.3A output (for older 1100666 power supply)</li> <li>▶ 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</li> </ul>	AC Line Cord (23844-00-00R)
PWR-BGA12V72W0WW		AC Power Supply	<ul style="list-style-type: none"> <li>▶ Used to power device from AC wall outlet.</li> <li>▶ 100-240 VAC, 12V, 6A, 72W</li> <li>▶ Provides US DOE Level VI compliance for power efficiency.</li> <li>▶ Replaces 1100666 Power Supply</li> </ul>	Power Adapter Cable (CA4000) and AC Line Cord (23844-00-00R)
CA4000		Power Cable Adapter	<ul style="list-style-type: none"> <li>▶ CPC connector to 100/240 VAC power supply</li> <li>▶ Included with PS1450 Supply Kit and needed when using PWR-BGA12V72W0WW Power Supply.</li> </ul>	
PWR-BGA24V150W0WW		AC Power Supply (High Power)	<ul style="list-style-type: none"> <li>▶ Cable is pre-built with round CPC connector.</li> <li>▶ 24V, 6.25A, 150W output and meets US DOE Level VI compliance.</li> <li>▶ Use with VC8x or VC8xx for fixed mount installations in cold environments (to power internal heaters) or for high power peripherals connected to USB/RS232 ports. For most installations, use PS1450.</li> </ul>	AC Line Cord (23844-00-00R)



PS1400		AC Power Supply	<ul style="list-style-type: none"> <li>▶ May be labeled PSA65U-180 or 1080362-001</li> <li>▶ Cable is pre-built with round CPC connector.</li> <li>▶ 18V, 3.3A output</li> <li>▶ Discontinued 8/2015 - PMB 2652</li> </ul>	9008693 (AC Line Cord) (or country specific line cord)
23844-00-00R		AC Line Cord	<ul style="list-style-type: none"> <li>▶ Used with Power Supply PWR-BGA12V72W0WWW and Power Supply PS1450 (when it includes Power Supply PWR-BGA12V72W0WWW).</li> <li>▶ This AC Line Cord is for use in North America. See the <b>AC Line Cords by Country</b> TAG for comparable line cords to use in other countries.</li> </ul>	
9008693		AC Line Cord	<ul style="list-style-type: none"> <li>▶ Used with PS1450 (when it includes Power Supply 1100666) or PS1400 AC Power Supply.</li> <li>▶ This AC Line Cord is for use in North America. See the <b>AC Line Cords by Country</b> TAG for comparable line cords to use in other countries.</li> </ul>	

### Keyboards






See External Keyboards Technical Accessory Guide (TAG) for additional keyboard options.

Part Number	Picture	Description	Notes	Required Items
KYBD-QW-VC-01		QWERTY Keyboard	<ul style="list-style-type: none"> <li>▶ Based on the VH10 keyboard design</li> <li>▶ 12 direct Function keys with an additional 12 via shift function.</li> <li>▶ Dimmable backlit keys.</li> <li>▶ IP66, -30 to +50 C, condensing - for use in Freezer Applications</li> <li>▶ Build-in heaters and drainage system for error free operations even in heavy condensing environments</li> <li>▶ Industrial keyboard controller with temperature compensation</li> <li>▶ Meets shock/vibrations standards: EN60721-5M3, MIL810F, and Zebra internal testing standards</li> <li>▶ Two available cable lengths allowing the installation close the by VC or away from it.</li> <li>▶ Keyboard elastomer and cable are both field replaceable.</li> <li>▶ Can be mounted on Keyboard Tray (KT-KYBDTRAY-VC80-R) or via RAM mount.</li> </ul>	Keyboard Cable (CBL-VC80-KBUS1-01 or CBL-VC80-KBUS2-01)

<p>KYBD-QW-VC80-S-1</p>		<p>QWERTY Keyboard Kit (short cable)</p>	<ul style="list-style-type: none"> <li>▶ Based on the VH10 keyboard design</li> <li>▶ 12 direct Function keys with an additional 12 via shift function.</li> <li>▶ Dimmable backlit keys.</li> <li>▶ IP66, -30 to +50 C, condensing - for use in Freezer Applications</li> <li>▶ Build-in heaters and drainage system for error free operations even in heavy condensing environments</li> <li>▶ Industrial keyboard controller with temperature compensation</li> <li>▶ Meets shock/vibrations standards: EN60721-5M3, MIL810F, and Zebra internal testing standards</li> <li>▶ Short cable (22 cm/~8.5 in) allows installation close the by VC.</li> <li>▶ Keyboard elastomer and cable are both field replaceable.</li> <li>▶ Can be mounted on Keyboard Tray (KT-KYBDTRAY-VC80-R) or via RAM mount.</li> <li>▶ Kit includes QWERTY Keyboard (KYBD-QW-VC-01) and Keyboard Cable (CBL-VC80-KBUS1-01)</li> </ul>	
<p>KYBD-QW-VC80-L-1</p>		<p>QWERTY Keyboard Kit (long cable)</p>	<ul style="list-style-type: none"> <li>▶ Based on the VH10 keyboard design</li> <li>▶ 12 direct Function keys with an additional 12 via shift function.</li> <li>▶ Dimmable backlit keys.</li> <li>▶ IP66, -30 to +50 C, condensing - for use in Freezer Applications</li> <li>▶ Build-in heaters and drainage system for error free operations even in heavy condensing environments</li> <li>▶ Industrial keyboard controller with temperature compensation</li> <li>▶ Meets shock/vibrations standards: EN60721-5M3, MIL810F, and Zebra internal testing standards</li> <li>▶ Long cable (300 cm/~10 ft) allows installation farther away from the VC.</li> <li>▶ Keyboard elastomer and cable are both field replaceable.</li> <li>▶ Can be mounted on Keyboard Tray (KT-KYBDTRAY-VC80-R) or via RAM mount.</li> <li>▶ Kit includes QWERTY Keyboard (KYBD-QW-VC-01) and Keyboard Cable (CBL-VC80-KBUS2-01)</li> </ul>	
<p>KYBD-AZ-VC-01</p>		<p>AZERTY Keyboard</p>	<ul style="list-style-type: none"> <li>▶ Based on the VH10 keyboard design</li> <li>▶ 12 direct Function keys with an additional 12 via shift function.</li> <li>▶ Dimmable backlit keys.</li> <li>▶ IP66, -30 to +50 C, condensing - for use in Freezer Applications</li> <li>▶ Build-in heaters and drainage system for error free operations even in heavy condensing environments</li> <li>▶ Industrial keyboard controller with temperature compensation</li> <li>▶ Meets shock/vibrations standards: EN60721-5M3, MIL810F, and Zebra internal testing standards</li> <li>▶ Two available cable lengths allowing the installation close the by VC or away from it.</li> <li>▶ Keyboard elastomer and cable are both field replaceable.</li> <li>▶ Can be mounted on Keyboard Tray (KT-KYBDTRAY-VC80-R) or via RAM mount.</li> </ul>	<p>Keyboard Cable (CBL-VC80-KBUS1-01 or CBL-VC80-KBUS2-01)</p>



CBL-VC80-KBUS1-01		VC8x Short Keyboard Cable for VH10 style keyboard	<ul style="list-style-type: none"> <li>▶ Short Cable length (22 cm / approx. 8.5 in)</li> <li>▶ Typically used when keyboard is mounted directly near the VC (i.e. on Keyboard Tray).</li> </ul>	
CBL-VC80-KBUS2-01		VC8x Long Keyboard Cable for VH10 style keyboard	<ul style="list-style-type: none"> <li>▶ Long Cable length (300 cm / approx. 10 ft)</li> <li>▶ Typically used when keyboard is mounted away from the VC.</li> </ul>	
1616314 (English) 1616315 (French) ▶ Discontinued 12/2018 - see PMB 10054 <hr/> 1616316 (German) ▶ Discontinued 12/2015 - PMB 2723		Small Keyboard	<ul style="list-style-type: none"> <li>▶ Connects to USB port on device</li> <li>▶ 86 keys, includes F1-F10 (F11-F12 shifted)</li> <li>▶ Includes mouse joystick</li> <li>▶ IP65 sealing</li> <li>▶ Cable length is 60 cm (~23")</li> <li>▶ Keys are NOT backlit</li> </ul>	Keyboard Tray (KT-KYBDTRAY-VC80-R) NOTE: Holes in Keyboard Tray will not align with mounting bolts on keyboard. Tray will need additional holes drilled to line up with keyboard bolts.
various		iKey keyboards	See <b>External Keyboards</b> Technical Accessory Guide (TAG) for iKey options.	Keyboard Tray (KT-KYBDTRAY-VC80-R) or RAM Mount keyboard mounting hardware
KT-KYBDTRAY-VC80-R		Keyboard Tray	<ul style="list-style-type: none"> <li>▶ Allows iKey or VH10 style keyboards to be mounted under the VC8x.</li> <li>▶ Not compatible with Small Keyboard unless additional holes are drilled into tray to line up with mounting bolts on the keyboard.</li> <li>▶ Includes mounting tray, tilting arms, knobs and screws</li> <li>▶ Compatible with Quick Release Mount (MT4200 or MT4210)</li> </ul>	
RAM-246U		RAM Mount base for iKey or VH10 style Keyboards	<ul style="list-style-type: none"> <li>▶ Provides alternate solution to Keyboard Tray</li> <li>▶ 1.5" rubber ball (RAM C size), connected to a 4.75" square plate with 4x100mm holes and 4x75mm holes in each corner.</li> <li>▶ Base attaches to forklift</li> <li>▶ Uses RAM Mount P/N RAM-246U</li> </ul>	<ul style="list-style-type: none"> <li>▶ RAM Ball Mount for iKey Keyboards (RAM-202U)</li> <li>▶ RAM Mount arm for iKey Keyboards (RAM-201U)</li> </ul>
RAM-201U		RAM Mount 3" arm for iKey or VH10 style Keyboards	<ul style="list-style-type: none"> <li>▶ Provides alternate solution to Keyboard Tray</li> <li>▶ Double socket arm, has a socket at both ends that accommodates 1.5" ball bases (RAM C size).</li> <li>▶ 3 inch length</li> <li>▶ A single spring inside the arm opens the end sockets, allowing you to pivot the ball and socket connection.</li> <li>▶ Connects RAM Mount base for iKey Keyboards (RAM-246U) to RAM Ball Mount for iKey Keyboards (RAM-202U)</li> <li>▶ Uses RAM Mount P/N RAM-201U</li> </ul>	<ul style="list-style-type: none"> <li>▶ RAM Mount base for iKey Keyboards (RAM-246U)</li> <li>▶ RAM Ball Mount for iKey Keyboards (RAM-202U)</li> </ul> 



RAM-202U		RAM Ball Mount for iKey or VH10 style Keyboards	<ul style="list-style-type: none"> <li>▶ Provides alternate solution to Keyboard Tray</li> <li>▶ 1.5" diameter rubber ball (RAM C size) connected to a flat 2.5" diameter base.</li> <li>▶ Mount has pre-drilled holes, including the universal AMPS hole pattern.</li> <li>▶ Attaches to mounting holes on iKey or VH10 style keyboards</li> <li>▶ Uses RAM Mount P/N RAM-202U</li> </ul>	<ul style="list-style-type: none"> <li>▶ RAM Mount base for iKey Keyboards (RAM-246U)</li> <li>▶ RAM Mount arm for iKey Keyboards (RAM-201U)</li> </ul>
<b>VC70 style Numeric keyboard</b>				
KYBD-NU-VC70-03R		21-Key Numeric Keyboard	<ul style="list-style-type: none"> <li>▶ Connects to USB port on VC80. Secure locking USB connector screws are not used.</li> <li>▶ 21 Backlit keys</li> <li>▶ IP66 sealed</li> <li>▶ Mounts on side of VC80</li> <li>▶ Includes Keyboard Protection Grill (KT-KYBDGRL2-VC70-R)</li> </ul>	Keypad Mounting Bracket (KT-KYBDMNT-VC80-R)
KYBD-NU-VC70-01R		21-Key Numeric Keyboard	<ul style="list-style-type: none"> <li>▶ Discontinued 9/2013, now use KYBD-NU-VC70-03R</li> <li>▶ Connects to USB port on VC80. Secure locking USB connector screws are not used.</li> <li>▶ 21 Backlit keys</li> <li>▶ IP66 sealed</li> <li>▶ Mounts on side of VC80</li> </ul>	Keypad Mounting Bracket (KT-KYBDMNT-VC80-R)
KT-KYBDMNT-VC80-R		Side Mount Bracket for Numeric Keyboard	<ul style="list-style-type: none"> <li>▶ Allows Numeric Keyboard (KYBD-NU-VC70-03R) to be mounted on side of VC80</li> <li>▶ Includes mounting hardware (screws)</li> </ul>	
KT-KYBDGRL2-VC70-R		Keyboard Protection Grill for Numeric keyboard	<ul style="list-style-type: none"> <li>▶ This is a spare/replacement Protective Grill. It is normally included with KYBD-NU-VC70-03R.</li> <li>▶ Adds extra protection to keys by minimizing the keys' exposure.</li> </ul>	
<b>Replacement Equipment</b>				
<b>Part Number</b>	<b>Picture</b>	<b>Description</b>	<b>Notes</b>	<b>Required Items</b>

KT-VC80-BTRY1-01		Replacement Battery	<ul style="list-style-type: none"> <li>► Replacement backup battery</li> <li>► 2000 mAh</li> </ul>	
KT-VC80-SCRN1-01		Front Touch Screen (non-heated)	<ul style="list-style-type: none"> <li>► Includes: <ul style="list-style-type: none"> <li>- VC80 front with touch screen</li> <li>- screws</li> <li>- EMI tape</li> </ul> </li> </ul>	Recommend Modular Services Kit (ST2000) to ensure proper tools and screw torque is used.
KT-VC80-SCRH1-01		Front Touch Screen (heated)	<ul style="list-style-type: none"> <li>► Includes: <ul style="list-style-type: none"> <li>- VC80 front with touch screen</li> <li>- screws</li> <li>- EMI tape</li> </ul> </li> </ul>	Recommend Modular Services Kit (ST2000) to ensure proper tools and screw torque is used.
VC83KYBD-QW-SP-01		Replacement QWERTY Keypad for VH10 style keyboard	<ul style="list-style-type: none"> <li>► Wear Item Replacement for KYBD-QW VC-01 (includes Elastomer with hard caps)</li> </ul>	
VC83KYBD-AZ-SP-01		Replacement AZERTY Keypad for VH10 style keyboard	<ul style="list-style-type: none"> <li>► Wear Item Replacement for KYBD-AZ VC-01 (includes Elastomer with hard caps)</li> </ul>	

### Misc Replacement Equipment

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