

# Accessories Guide VEHICLE-MOUNTED COMPUTERS

**VH10** 

**VC80** 

**VC70** 

# VEHICLE-MOUNTED COMPUTERS

**Accessories Guide** 







**VC70** 







#### **ACCESSORIES GUIDE**

The Zebra Technologies portfolio of accessories extends the capabilities of your VH10, VC80 or VC70, and enables you to lower the cost of ownership of your Zebra mobile computer.

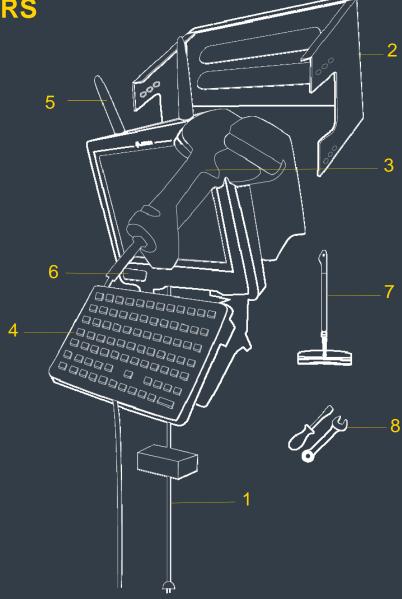
This simple step-by-step guide is designed to assist you with the selection of your accessories based on your needs and use of the computers.





VEHICLE-MOUNTED COMPUTERS INSTALL ILLUSTRATION

STEP	ACCESSORY	SLIDE
1	Power Supplies & Cables	6-14
2	Mounts	15-19
3	Scanners	20-22
4	Keyboards	23-26
5	Antennas	27-29
6	Voice	30-31
7	Miscellaneous	32-33
8	Service Parts	34-35



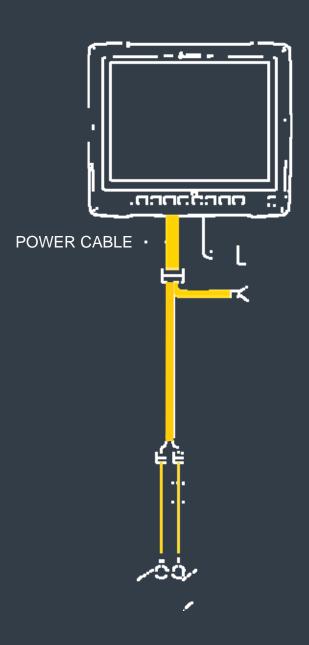


# STEP 1: POWER SUPPLIES AND CABLES (♥)

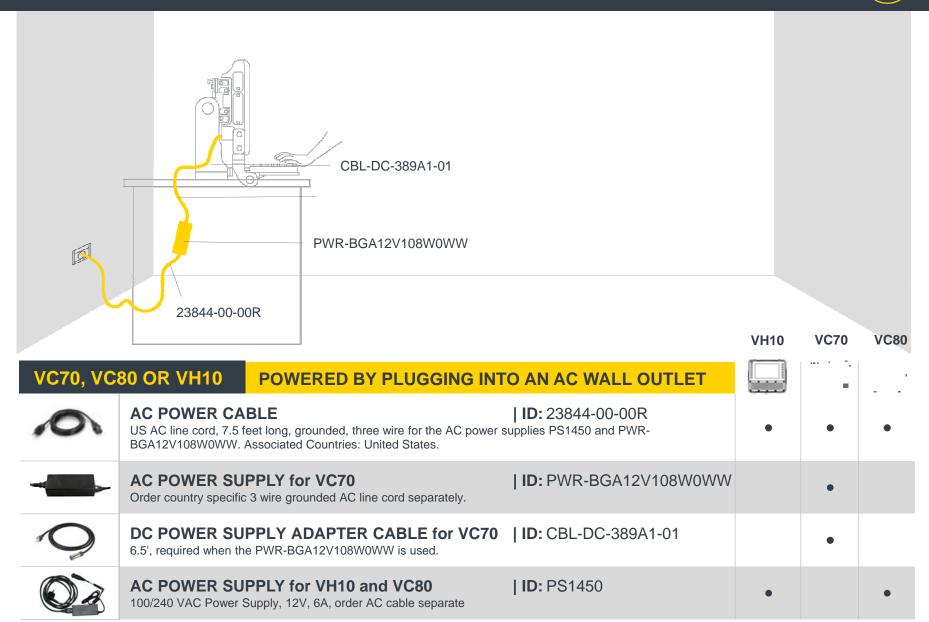
#### CHOOSE FROM MULTIPLE INSTALLATION CASES:

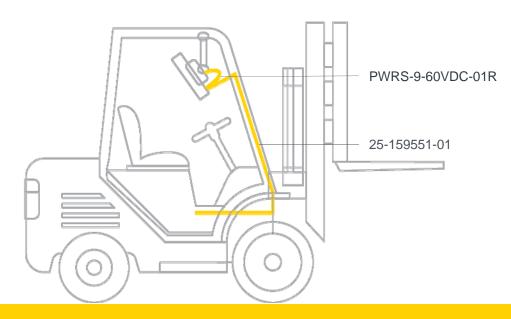
- PLUG INTO AN AC WALL OUTLET
- PLUG INTO THE VEHICLE'S DC POWER
  - <u>vc70</u> –
  - <u>VH10 OR VC80</u> –

——— SLIDE 7-9 ——— SLIDE 10-14









**VC70** 

**VEHICLE MOUNT (DC POWER SUPPLY MOUNTED ON THE VC70)** 

Buy both

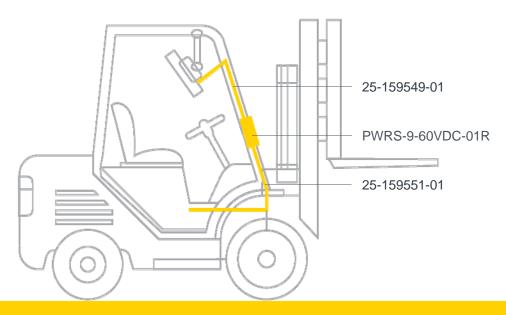
DC POWER SUPPLY | ID: PWRS-9-60VDC-01R

External DC Power supply, VC70, 9-60VDC Requires 25-159551-01 fused DC power cable to vehicle battery

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**DC POWER CABLE** | **ID**: 25-159551-01

Cable, external 9-60V DC power supply to vehicle battery, 10', includes fuse, VC70. Required for the PWRS-9-60VDC-R



#### **VC70**

#### **VEHICLE MOUNT (DC POWER SUPPLY NOT MOUNTED ON THE VC70)**



#### **EXTENSION CABLE** | **ID**: 25-159549-01

Cable, external power supply to VC70 extender. 6.5', VC70. Required when the PWRS-9-60VDC-01R is not mounted on the back of the VC70.



#### DC POWER SUPPLY | ID: PWRS-9-60VDC-01R

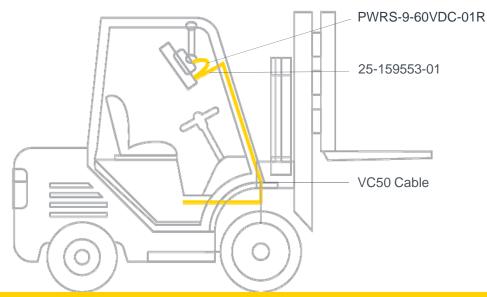
External DC Power supply, VC70, 9-60VDC Requires 25-159551-01 fused DC power cable to vehicle battery



#### **DC POWER CABLE** | **ID**: 25-159551-01

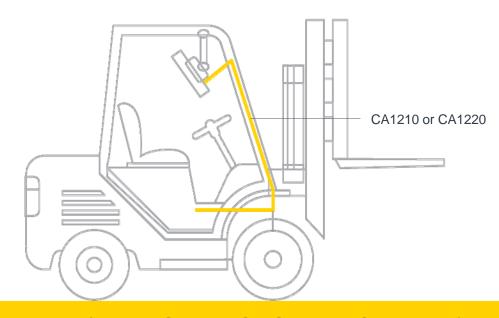
Cable, external 9-60V DC power supply to vehicle battery, 10', includes fuse, VC70. Required for the PWRS-9-60VDC-R

Buy all of these



	VC70	VEHICLE MOUNT (WHEN REPLACING THE VC50 AND REUSING THE VC50 DC POWER CABLE)
both	2	DC POWER SUPPLY   ID: PWRS-9-60VDC-01R  External DC Power supply,VC70, 9-60VDC Requires 25-159551-01 fused DC power cable to vehicle battery
Buy		POWER ADAPTER CABLE   ID: 25-159553-01 Cable, external power supply to existing VC5090 power cable (25-71919-03R or 25-71919-04R), includes fuses, 2', VC70





**VEHICLE MOUNT (POWER SUPPLY IS INSIDE THE COMPUTER)** 

Pick one



DC POWER CABLE | ID: CA1210

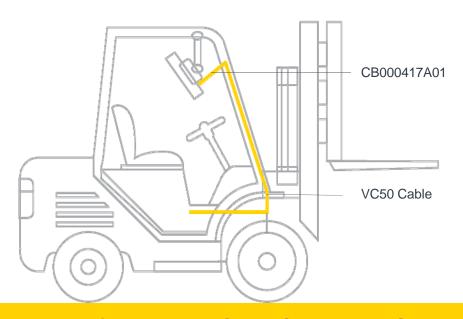
Power Extension Cable, DC, 6', waterproof



DC POWER CABLE | ID: CA1220

Power Extension Cable DC, 6', waterproof - Includes Screen Blanking feature





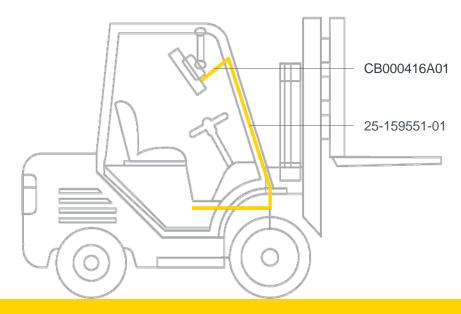
VEHICLE MOUNT (WHEN REPLACING VC50 AND REUSING THE VC50 DC POWER CABLE)



POWER ADAPTER CABLE | ID: CB000417A01

DC Power Adapter to VC50



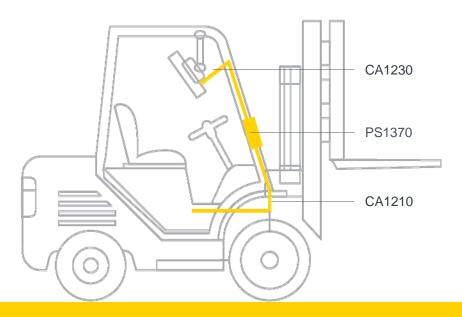


VEHICLE MOUNT (WHEN REPLACING VC70 AND REUSING THE VC70 DC POWER CABLE)



POWER ADAPTER CABLE | ID: CB000416A01

DC Power Adapter to VC70



VEHICLE MOUNT (WITH PRE-REGULATOR TO DECREASE VOLTAGE - FOR TRUCKS WITH BATTERIES GREATER THAN 48V)



DC POWER CABLE | ID: CA1230

DC Power Adapter to VC70



PRE-REGULATOR | ID: PS1370

Pre-Regulator, 19 - 90 VDC in, 15 VDC out, 90 W

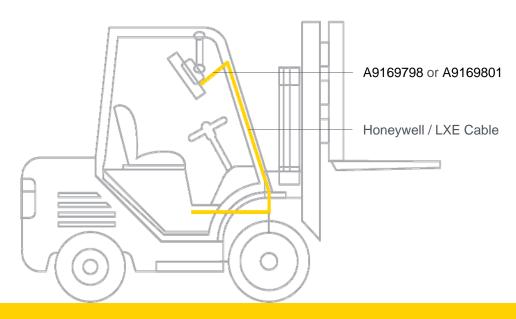


DC POWER CABLE | ID: CA1210

Power Extension Cable, DC, 6', waterproof

Buy all three





VEHICLE MOUNT (WHEN REPLACING A HONEYWELL/LXE VC AND REUSING THE DC POWER CABLE)



**POWER ADAPTER CABLE | ID:** A9169798

Adapter CPC to LXE/Honeywell VX8, VX9, VM1, VM2 AND VM3 DC Power Extension Cable



**POWER AND SCREEN BLANKING ADAPTER CABLE | ID: A9169801** 

Adapter CPC and serial to LXE VX8 and VX9 DC Power Extension and Screen Blanking Cable



## STEP 2: MOUNTS (1)

YOUR MOUNTING OPTIONS DEPEND ON YOUR COMPUTER.

#### FOR THE VH10 AND VC80

CHOOSE BETWEEN THE FOLLOWING:

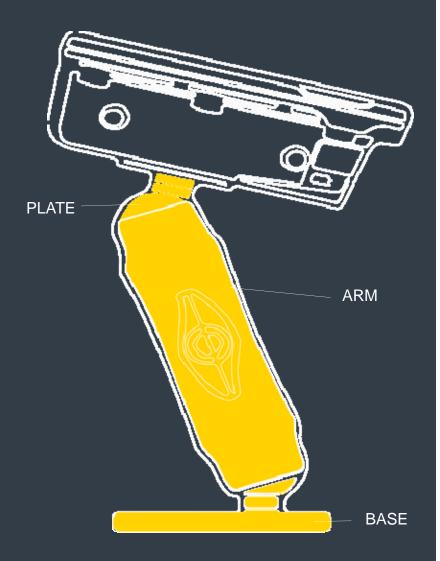
SLIDES 16 **AND 17** 

- RAM MOUNT
- QUICK-RELEASE MOUNT
- ADAPTER BRACKET FOR 82XX MOUNTS
- ADAPTER BRACKETS FOR LEGACY VCs

#### FOR THE VC70, CHOOSE ONE: ——— SLIDE 18

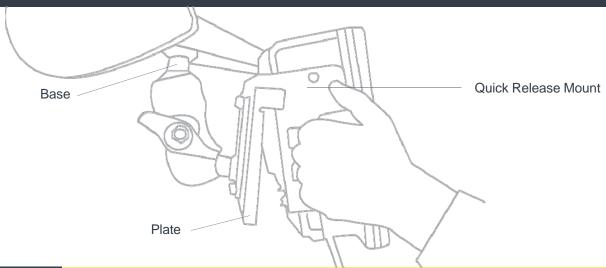
- RAM MOUNT
- U MOUNT
- ADAPTER BRACKET FOR VC50 MOUNT

YOU CAN ALSO SELECT A RAM FIXED ——— SLIDE 19 MOUNT BASED ON YOUR VEHICLE THAT WORKS WITH THE VH10, VC70 AND VC80.









FOR THE VH10 OR VC80

DO YOU NEED A RAM MOUNT, A QUICK RELEASE MOUNT, OR ADAPTERS TO OLD 82XX MOUNTS?



QUICK RELEASE MOUNT | ID: MT4200

Quick release mount. Attaches to the side of the computer and includes Mounting Plate (MT4205) that attaches to forklift.



PLATE | ID: MT4205

Mounting plate for MT4200, Quick Release Mount, needed if you have one computer for multiple trucks



**ADAPTER BRACKET** | **ID**: MT4210

Adapter bracket kit for the older 82XX mounts



PLATE | ID: MT3501

VESA plate (for 4" or 12" RAM arm), Can also be attached to Quick Release Mount Plate (MT4205)



**BASE** | **ID**: MT4510

RAM 2"x3" rectangular base with 2.25" rubber ball. Can be attached directly to VH10 and VC80











#### FOR THE VH10 OR VC80

DO YOU REPLACE A LEGACY ZEBRA OR HONEYWELL/LXE VC?



#### **ADAPTER FOR VC50 U-MOUNT**

ID: MNT-VC80-ADPA1-1

The adapter brackets for the VC50 U-Mount can be used to replace a VC50 by a VH10 or a VC80 and reuse the existing U-Mount.



#### U-MOUNT, WITH VC70 U-MOUNT HOLE PATTERN | ID: KT-U-MOUNT-VC80-R

The new VC80 U-Mount is smaller than the one for the VC50 and has several mounting holes which allow drop-in replacements of VC70, and DLoG U-Mounts. It provides step less tilting of the VC and comes with the VC50 adapters.



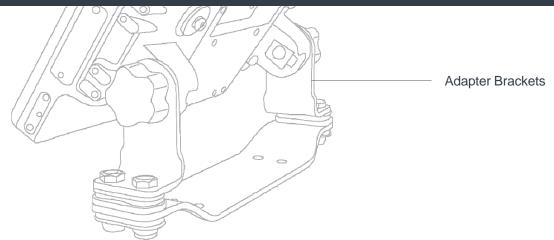
#### ADAPTER FOR HONEYWELL U-MOUNT

| **ID**: MNT-VC80-ADPB1-1

The adapter brackets for the Honeywell U-Mount can be used to replace a Honeywell/LXE VC by a VH10 or a VC80 and reuse the existing U-Mount (Honeywell part number VM1010BRKTKIT).







FOR THE VC70

DO YOU NEED A RAM MOUNT, AN U MOUNT, OR ADAPTER BRACKETS TO THE VC50 U MOUNT?



RAM MOUNT | ID: RAM-D-2461U-MOTO7

RAM bridge with RAM-D-2461U RAM MOUNT, D (2.25"") size ball with screws. Including screws to mount the PWRS-9-60VDC-01R External DC Power Supply. Used when replacing equipment already mounted with RAM mounts



RAM MOUNT | ID: RAM-D-2461U-MOTO7B

RAM-D-2461U RAM MOUNT, D (2.25") size ball with screws. Used when the PWRS-9-60VDC-01R External DC Power Supply has to be mounted away or when AC power supply is used. Used when replacing equipment already mounted with RAM mounts



U MOUNT | ID: KT-U-MOUNT-VC70-R

U mount, VC70, with mounting hardware



ADAPTER BRACKET | ID: KT-VC50ARM3-VC70-R

2 mount adapter arms for VC50 bracket, 3.5", with bolts



ADAPTER BRACKET | ID: KT-VC50ARM7-VC70-R

2 mount adapter arms for VC50 bracket, 7", with bolts





VC70, VC80 & VH10

DEPENDING ON THE VEHICLE, BELOW ARE THE RAM FIXED MOUNTING OPTIONS TO THE COMPUTER AND/OR THE VEHICLE.



**ARM** | **ID**: MT4301

RAM mount, 4" arm



**ARM** | **ID**: MT4302

RAM mount, 12" arm



**PLATE | ID: MT3501** 

VESA plate (for 4" or 12" RAM arm), Can also be attached to Quick Release Mount Plate (MT4205)



**PLATE | ID:** MT3502

Round plate (for 4" or 12" RAM arm), Uses smaller footprint than MT3501 VESA Plate



BASE | ID: MT3505

Clamp base (for 4" or 12" RAM arm), 2" max. width



**BASE | ID:** MT3507

Clamp base (for 4" or 12" RAM arm), 3" max. width



**BASE | ID:** MT3509

Rail base (for 4" or 12" RAM arm), 1-1/4" to 1-7/8"



**BASE** | **ID**: MT3510

Rail base (for 4" or 12" RAM arm), 2" to 2 1/2"



**BASE** | **ID**: MT4510

RAM 2"x3" rectangular base with 2.25" rubber ball



### STEP 3: SCANNERS



WHEN SHOPPING FOR SCANNER CABLES, CHOOSE BETWEEN COILED OR STRAIGHT FOR YOUR SCANNER AND BETWEEN A RS232 OR USB PLUG.

SCANNER CABLES FOR **DS36XX** 

SLIDE 21

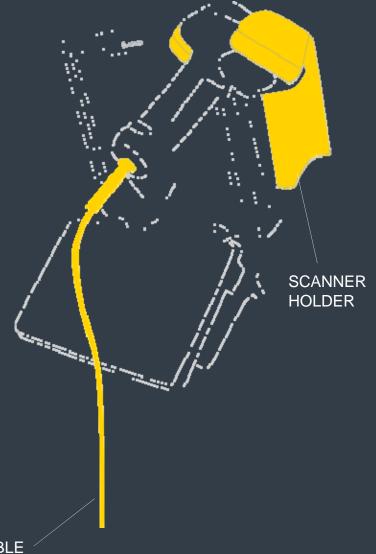
SCANNER CABLES FOR LS/DS 34XX/35XX

SLIDE 22

SCANNER HOLDERS INCLUDE

SLIDE 23

- UNIVERSAL OPTIONS
- SOLUTIONS FOR LS34X8ER AND LS35X8ER
- THERMOTRAZ HEATED



**SCANNER CABLE** 



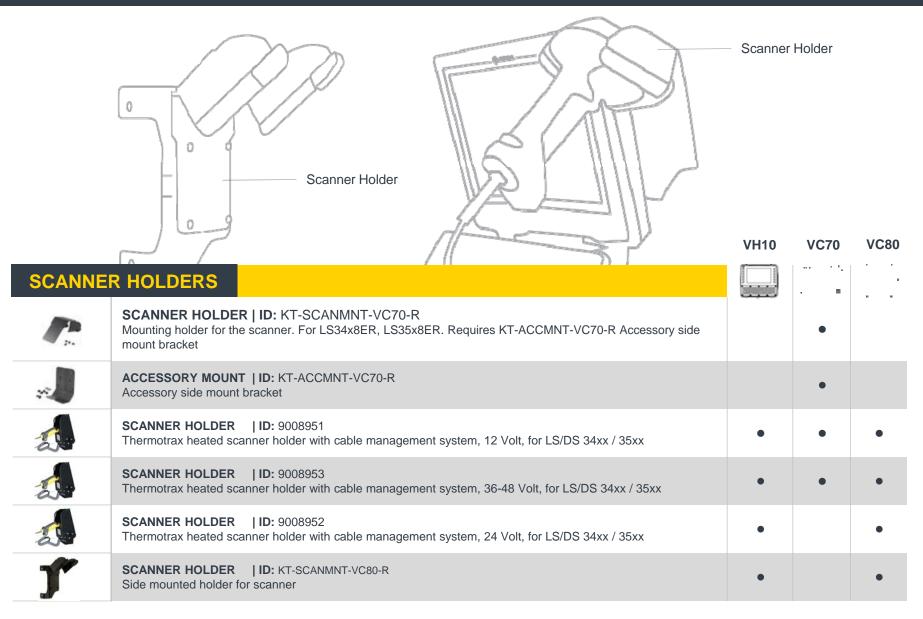


		VH10	VC70	VC80
DS36XX	SCANNER CABLES			
	RS232   ID: CBA-RF3-C09ZAR Cable - RS232: DB9 Female Connector, 9ft. (2.8m) Coiled, Power Pin 9, TxD on 2, True Converter, -30C		•	
	SHIELDED USB   ID: CBA-UF2-C12ZAR Cable - Shielded USB: Series A Locking Connector for VC70, 12', Coiled, -30C		•	
	RS232   ID: CBA-R71-C09ZAR Cable - RS232: DB9 Female Connector, 9ft (2.8m) Coiled, Power Pin 9	•		•
	RS232   ID: CBA-RF2-C09ZAR Cable - RS232: DB9 Female Connector, 9ft (2.8m) Coiled, Power Pin 9, -30C	•		•
0	SHIELDED USB   ID: CBA-U46-S07ZAR Cable - Shielded USB: Series A Connector, 7ft. (2m), Straight, BC 1.2	•		•
	SHIELDED USB   ID: CBA-U47-S15ZAR Cable - Shielded USB: Series A Connector, 15ft. (4.6m), Straight, BC 1.2	•		•
	SHIELDED USB   ID: CBA-UF1-S07ZAR Cable - Shielded USB: Series A Connector, 7ft. (2m), Straight, BC 1.2, -30C	•		•
LS/DS 34	XX/35XX SCANNER CABLES			
	SHIELDED USB   ID: 25-159548-01 Cable - Shielded USB: Series A Locking Connector for VC70, 12', Coiled, -30C		•	
	RS232   ID: CBA-R46-C09ZBR Cable - RS232: DB9 Female Connector, 9ft. (2.8m) Coiled, Power Pin 9, TxD on 2, True Converter		•	
	RS232   ID: CBA-R49-C09ZAR Cable - RS232: DB9 Female Connector, 9ft. (2.8m) Coiled, Power Pin 9, TxD on 2, True Converter, Low Temp -30C		•	
	RS232   ID: CBA-R37-C09ZAR Cable - RS232: DB9 Female Connector, 9ft (2.8m) Coiled, Power Pin 9	•		•
	USB   ID: CBA-U09-C15ZAR Cable - USB: Series A Connector, 15ft. (4.6m) Coiled	•		•
	SHIELDED USB   ID: CBA-U01-S07ZAR Cable - Shielded USB: Series A Connector, 7ft. (2m), Straight, BC 1.2	•		•
	SHIELDED USB   ID: CBA-U10-S15ZAR Cable - Shielded USB: Series A Connector, 15ft. (4.6m), Straight, BC 1.2	•		•

Zebra Confidential: For Internal Use Only









## STEP 4: KEYBOARDS



WHILE THE VH10 HAS A BUILT-IN KEYBOARD, THE VC70 AND VC80 GIVE YOU MULTIPLE OPTIONS.

VC80 KEYBOARDS —— SLIDE 24

VC70 KEYBOARDS — SLIDE 25

IKey KEYBOARDS —— SLIDE 26

**KEYBOARD** 





**VC80** 

#### **KEYBOARDS, CABLES AND MOUNTING OPTIONS**



KEYBOARD | ID: KYBD-AZ-VC-01

VC USB Keyboard AZERTY



KEYBOARD | ID: KYBD-QW-VC80-S-1

USB Keyboard QWERTY with 22 cm cable for VC80



KEYBOARD | ID: KYBD-QW-VC80-L-1

USB Keyboard QWERTY with 300 cm cable for VC80



KEYBOARD CABLE | ID: CBL-VC80-KBUS1-01

22 cm VC80 USB cable for heated Keyboard



KEYBOARD CABLE | ID: CBL-VC80-KBUS2-01

300 cm VC80 USB cable for heated Keyboard



KEYBOARD | ID: KYBD-NU-VC70-03R

USB Keyboard QWERTY with 300 cm y-cable for VC70 Freezer



KEYBOARD TRAY | ID: KT-KYBDTRAY-VC70-3

QWERTY/AZERTY Keyboard mounting tray. Includes tilting arms, knobs and screws.



KEYBOARD SIDE MOUNT BRACKET | ID: KT-KYBDMNT-VC70-R

Function/Numeric keypad side mount bracket





#### **VC70**

#### **KEYBOARDS, CABLES AND MOUNTING OPTIONS**



KEYBOARD | ID: KYBD-AZ-VC-01

VC USB Keyboard AZERTY



KEYBOARD | ID: KYBD-QW-VC70-S-1

USB Keyboard QWERTY with 18 cm cable for VC70



KEYBOARD | ID: KYBD-QW-VC70-L-1

USB Keyboard QWERTY with 300 cm cable for VC70



KEYBOARD | ID: KYBD-QW-VC70F-S-1

USB Keyboard QWERTY with 37 cm y-cable for VC70 Freezer



KEYBOARD | ID: KYBD-QW-VC70F-L-1

USB Keyboard QWERTY with 300 cm y-cable for VC70 Freezer



KEYBOARD CABLE | ID: CBL-VC70-KBUS1-01

18 cm VC70 USB cable for heated Keyboard



KEYBOARD CABLE | ID: CBL-VC70-KBUS2-01

300 cm VC70 USB cable for heated Keyboard



KEYBOARD CABLE | ID: CBL-VC70-KBUS4-01

37 cm VC70 USB & RS232 Y-cable for heated Keyboard



KEYBOARD CABLE | ID: CBL-VC70-KBUS4-01

300 cm VC70 USB & RS232 Y-cable for heated Keyboard



KEYBOARD | ID: KYBD-NU-VC70-03R

USB Keyboard QWERTY with 300 cm y-cable for VC70 Freezer



KEYBOARD TRAY | ID: KT-KYBDTRAY-VC70-3

QWERTY/AZERTY Keyboard mounting tray. Includes tilting arms, knobs and screws.



KEYBOARD SIDE MOUNT BRACKET | ID: KT-KYBDMNT-VC70-R

Function/Numeric keypad side mount bracket







# IMEY KEYBOARD | ID: 9010376 | iKey Keyboard, English, backlight, USBCable - RS232: DB9 Female Connector, 9ft. (2.8m) Coiled, Power Pin 9, TxD | ID: 9010377 | iKey Keyboard, English, color, USB | ID: SLK-101-M-USB-3F

iKey Keyboard, 101 keys (12 Function keys), large numeric pad, backlight, USB

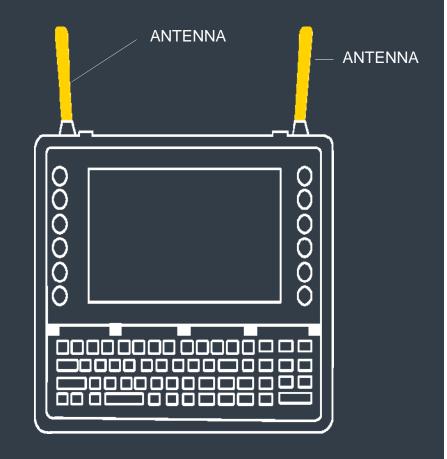


# STEP 5: ANTENNAS (\$\exists)

#### YOUR OPTIONS OF ANTENNAS ARE WIDE: — SLIDE 28

- WIFI <u>VC70, VC80 & VH10</u>
- NARROWBAND VH10 ONLY
- GPS VC80 ONLY
- RIGHT-ANGLE ADAPTER FOR INSTALLATIONS WITH LITTLE OVERHEAD SPACE – VC70, VC80 & VH10









#### HERE'S A LIST OF ANTENNAS AND CONNECTIVITY FOR YOU TO CHOOSE FROM

#### **ALL VCS** ANTENNAS & CONNECTIVITY FOR WIFI



**ANTENNA | ID:** 20667-002

Whip antenna (stubby), 802.11 b/g - dipole 2 dBi reverse polarity SMA connector Antenna, dual band, 802.11 a/b/g/n, 2 dBi, RPSMA connector, magnetic mount, 2.9m, WiFi



ANTENNA | ID: AN2010

Antenna, dual band, 802.11 a/b/g/n, 2 dBi, RPSMA connector, magnetic mount, 2.9m, WiFi



ANTENNA | ID: AN2020

Antenna, 2.4 GHz, 802.11 b/g, 5 dBi, RPSMA connector, magnetic mount, 2.9m



ANTENNA | ID: AN2030

Whip antenna (stubby), dual band, 802.11 a/b/g/n, 2.4GHz 2dBi, 5GHz 3.7 dBi, RPSMA connector, WiFi

#### VC70 ADAPTERS FOR VC70 TO ATTACH EXTERNAL WIFI ANTENNAS WITH RPSMA CONNECTOR



ADAPTER | ID: RPSMA-RTRPSMA-05R

ANTENNA ADAPTER RPSMA - RTRPSMA, 5-PACK, Required for the VC70 WiFi Antennas



ADAPTER | ID: RPSMA-RTRPSMA-10R

ANTENNA ADAPTER RPSMA - RTRPSMA, 10-PACK, Required for the VC70 WiFi Antennas







#### VH10 ANTENNAS & CONNECTIVITY FOR NARROWBAND

**ANTENNA | ID:** 9009801

Antenna, Narrow Band 1/4 wave, 406-512 MHz 6" NB



**MOUNT** | **ID**: 9009792

Mount, Magnetic, for Narrowband, antenna, SMA, 12' cable

#### **VC80**

#### **ANTENNA FOR GPS**



**ANTENNA | ID:** RPSMA-RTRPSMA-05R GNSS antenna, magnetic mount, 2.9 m cable

#### **ALL VCS**

RIGHT ANGLE ADAPTER FOR INSTALLATIONS WITH LITTLE SPACE OVERHEAD, ALL VCS



**RIGHT ANGLE ADAPTER | ID:** AR1000 Right Angle SMA reverse polarity plug-jack Adapter



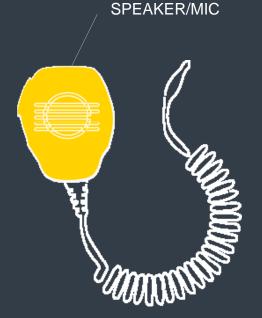
## STEP 6: VOICE

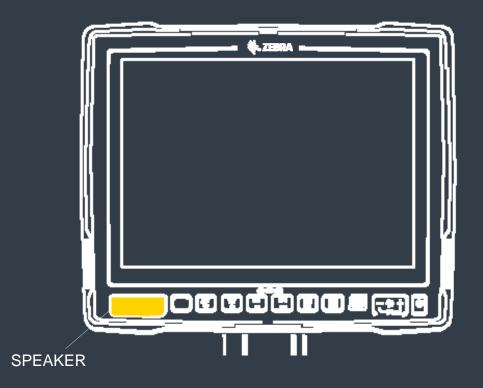


SELECT FROM TURNKEY KITS OR VOICE ACCESSORIES À LA CARTE.

YOUR VOICE OPTIONS —— SLIDE 31

VOICE









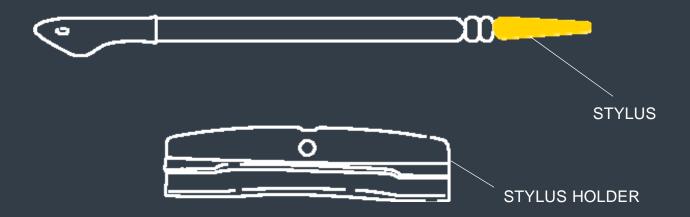
		VH10	VC70	VC80
VOIC	E CONTRACTOR OF THE CONTRACTOR			
	MICROPHONE KIT   ID: KT-MIC-01R This bundle includes the VC70 External PTT mic, the Motorola HMN1089B Water-resistant Palm Microphone or equivalent and the KT-ACCMNT-VC70-R Accessory Side mount bracket.		•	
3	MICROPHONE   ID: HMN1089B Push-To-Talk Hand Microphone, GCAI connector, Water Resistant		•	
*	SIDE MOUNT   ID: KT-ACCMNT-VC70-R Accessory Side mount bracket		•	
	SPEAKER KIT   ID: KT-SPKR-01R This bundle includes the External speaker, the Motorola HSN4039A 13 Watt water-resistant loudspeaker and the 25-159552-01 VC70 external speaker adapter cable.		•	
	SPEAKER   ID: HSN4040A External speaker, Motorola HSN4040A 13 Watt water-resistant loudspeaker. Requires 25-159552-01		•	
	INTERFACE CABLE   ID: 25-159552-01 Speaker cable adapter, for HSN4040A, VC70. Required to connect the HSN4040A external speaker.		•	
	SPEAKER/MIC   ID: M1000 Speaker/Mic with push-to-talk function	•		•



# STEP 7: MISCELLANEOUS

DON'T FORGET TO CONSIDER THESE: —— SLIDE 33

- STYLUS
- SCREEN PROTECTOR
- CAN BUS CABLE
- USB TO ETHERNET ADAPTER







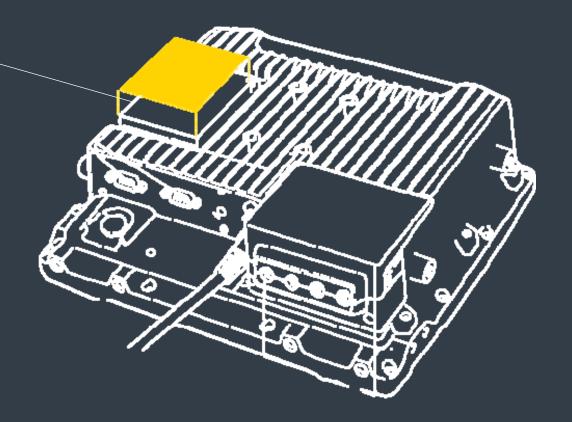
		VH10	VC70	VC80
MISCELLA	ANEOUS			
	ID: SL0001 Stylus and Stylus Holder	•	•	•
	ID: VA6200 Screen Protector Pack of 3	•		
	ID: KT-SPRTCT-VC70-05R Screen Protector Pack of 5		•	•
	ID: CA1300 Screen blanking cable (DB9 to open wires)	•		•
	ID: CB-000433-01 CAN Bus Cable (RJ45 to Deutsch)			•
	ID: WA4070 USB to Ethernet Adapter	•		
	ID: 25-159547-01 Cable DB15M to DB9M, for COM2		•	
The second second	ID: SG-VC70-VISR1-01 VC70 Sun Visor mountable with cut out wing.		•	



# STEP 8: SERVICE PARTS

STOCK UP ON THESE ESSENTIAL SPARE PARTS: —— SLIDE 35

- TOOL KIT
- KEYPADS
- TOUCH SCREENS
- SPARE BATTERY







		VH10	VC70	VC80
SERVICE P	ARTS			
	ID: AL1001 QWERTY Keypad	•		
	ID: AL1002 AZERTY Keypad	•		
	ID: AL2002 Front with standard touch screen and function keys	•		
	ID: AL2002 Front with heated touch screen and function keys	•		
A A	ID: ST2000 Modular Services Kit	•		•
	ID: KT-VC80-BTRY1-01 Spare Battery			•
	ID: KT-VC80-SCRH1-01 Front with Touch Screen (heated)			•
	ID: KT-VC80-SCRN1-01 Front with Touch Screen (non-heated)			•
*	ID: BTRY-VC70IAB00 Spare Battery		•	
	ID: KYBD-QW-VC-01 QWERTY Spare Elastomer for VC USB Keyboard		•	•
	ID: KYBD-AZ-VC-01 AZERTY Spare Elastomer for VC USB Keyboard		•	•