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You can read the recommendations in the user guide, the technical guide or the installation guide for GARMIN VIRB ELITE. You'll find the answers to all your questions on the GARMIN VIRB ELITE in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual GARMIN VIRB ELITE
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GARMIN.

VIRB™ Series
Owner's Manual



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Manual abstract:

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...11 Table of Contents i Introduction WARNING See the Important Safety and Product Information guide in the product box for product warnings and other important information. ? It is your responsibility to use the device in a safe manner. ? Garmin will not be responsible for any property damage, injuries or deaths resulting from any use of this device in any activities. ? 4 Press the battery into place. ? 5 Replace the battery cover, and turn the D-ring clockwise. ? Charging the Lithium-Ion Battery Pack NOTICE To prevent corrosion, thoroughly dry the mini-USB port, the weather cap, and the surrounding area before charging or connecting to a computer. ? Do not attempt to use the device to charge a battery that was not provided by Garmin.

? Attempting to charge a battery that was not provided by Garmin can damage the device and void the warranty. ? NOTE: The battery will not charge when outside the temperature range of 32 to 114F (0 to 45C). ? You can charge the battery using a standard wall outlet or a USB port on your computer. ? You can also use an optional battery charger accessory. ? Go to www.garmin.com/?outdoor for more information. ? 1 Pull up the weather cap from the mini-USB port . ? Installing a Memory Card You must install a microSD? memory card up to 64GB to use your device. ? For optimal performance, use a class 10 or better memory card.

? 1 Turn the D-ring counter-clockwise, and pull up to remove the cover. ? 2 If necessary, remove the battery pack. ? 3 In the battery compartment, slide the card holder toward the lens, and lift up. ? 4 Place the memory card with the gold contacts facing 5 6 7 8 down. ? Close the card holder. ? Slide the card holder away from the lens to lock it. ? Replace the battery pack. ? Replace the battery cover, and turn the D-ring clockwise. ? Installing the Battery Pack WARNING This product contains a lithium-ion battery. ? To prevent the possibility of personal injury or product damage caused by battery exposure to extreme heat, store the device out of direct sunlight.

? computer USB port.? 4 Plug the AC adapter into a standard wall outlet.? When you connect the device to a power source, the device turns on.? The LED is orange while the battery is charging.? 5 Charge the battery completely.? The LED turns green when the battery is fully charged.? 6 Remove the USB cable and fully close the weather cap.? 2 Plug the small end of the USB cable into the mini-USB port.? 3 Plug the USB end of the cable into the AC adapter or a Battery Status Critically low battery power or missing battery Low battery power Remaining battery power Charging Fully charged 1 Turn the D-ring counter-clockwise, and pull up to remove the cover.? battery.

? @@1 Connect your device to an external power source.? The remaining battery capacity appears.? 2 If the device is off, hold to turn on the device.? 3 Hold for 4 to 5 seconds.? @@@@Select to scroll through menus and settings.

? OK MODE REC Select to choose menu options or to take a photo.? Select to scroll through modes.? Hold to turn the device on and off.?

@@@@@@@@@@@@@These instructions provide an example of one possible configuration.? @@Go to www.garmin.com/?outdoor for more information.? @@You can adjust the settings to record with the screen facing down (page4).? 1 Thoroughly clean the mounting surface using water or alcohol.? The mounting surface must be free of dirt, debris, wax, or coatings.? 2 Remove the film from the adhesive mounting base, and press the base firmly onto the mounting surface.? You can use either the flat base or the curved base, depending on the contour of the mounting surface.? 8 Snap the camera mount into the top of the mounting arm.? 9 Insert a thumbscrew into the larger opening of the joint, and tighten the thumbscrew to lock the angle of the joint.? slot in the back of the camera.

? 10 Place the tab on the back of the camera mount into the 11 Squeeze the buttons on the sides of the mount, press the front of the camera down, and release the buttons.? The camera should be held tightly and should not move in the mount when properly secured.? 12 If the camera feels loose in the mount, press the front of the camera into the mount until it clicks.? Turning On the Device Select .? Turning Off the Device NOTICE To prevent loss of data, always turn off the device before removing the battery.? NOTE: You cannot turn off the device while recording video.? 1 If necessary, slide REC away from the lens.? 2 Hold .? appears on the screen while the device saves track log data and turns off.? 2 Introduction If you need to remove the battery, wait until the screen turns off before removing the battery.

? Leveling the Device NOTE: This feature is available for VIRB Elite only.? You can use the on-screen level when you mount the device to ensure your videos and photos are perfectly level.? 1 Select MODE > VIEWFINDER > .? The level appears.? Turning the Device On and Off Using REC You can use REC to turn the device on and off in recording mode.

? This feature allows you to start recording quickly, while automatically turning off the device to conserve battery power when you are not recording.



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? NOTE: The device does not turn off using REC unless you use REC to turn on the device.? 1 With the device turned off, slide REC toward the lens.? The device turns on and starts recording video.? 2 When you are finished recording, slide REC away from the lens.

? The device stops recording and turning Settings Select MODE > SETUP > ADVANCED.? Lens Correct: Corrects wide-angle barrel distortion and reduces the field of view.? Automatically sets Field of View to Wide in the video settings.? Stabilize: Turns on image stabilization to reduce shaky video.? Automatically enables Lens Correct.? Flip Camera: Sets the camera to capture video and images with the screen facing up or down.? This Side Down captures correctly oriented video and photos with the screen facing downward.? Inverting the Camera Orientation Taking a Photo Your device provides several methods for taking a photo.? ? Select MODE > VIEWFINDER, aim the camera using the viewfinder, and select .? ? From anywhere in the user interface, hold .

? ? While recording a video, select to capture a photo at the same resolution as the video recording.? Photos taken while recording a video always use normal photo mode.? Burst mode is ignored while recording video.? Photos The device takes repeated photos at the selected interval.? The viewfinder displays the GPS and battery status , the time in seconds until the next photo is taken , and the number of repeated photos the device has taken .? 6 Select to stop taking photos.? Playback Viewing Photos and Videos You can view your photos and recorded videos on the device screen.? 1 Select MODE > PLAYBACK.? 5 2 Select an option: ? To select a photo or video, select or .? ? To quickly scroll through the list, hold or .

? Videos are indicated with .? Videos and photos are sorted by date and time with the most recent item listed first.? 3 Select OK.? You can control video playback using the on-screen controls.? Outputting Composite Video Before you can output composite video, you must purchase the VIRB audio-video cable accessory.

? Go to www.garmin.com/?VIRB.? You must also have an RCA composite video cable and a 3.5mm stereo audio cable.

? @@1 Pull up the weather cap from the mini-USB port.? @@3 On the device, when prompted to output video, select Yes.? The device enters playback mode.? You cannot exit playback mode until you disconnect the cable.? @@@@1 If necessary, turn on the device.? @@2 Select and to select a photo or video.? 3 Select OK > .? port.? @@The device enters playback mode.? You cannot exit playback mode until you disconnect the cable.

? 5 Select and to select a video.? 6 Select OK.? @@A track is a recording of your path.? @@If you have paired ANT?+? @@The device records a continuous track log while it is on.? @@The device also records a separate track log for each video recording.? Video track logs are saved as .gpx files on the memory card each time you stop recording video.? The track logs include track point data at one-second intervals.? You can view .gpx and .fit track logs on your computer using the BaseCamp? application.? Go to www.garmin.com/?basecamp for more information.? You can also view and upload .

?fit track logs to Garmin Connect??.? Go to <http://connect.garmin.com> for more information.? Connecting Headphones Before you can connect headphones to your device, you must purchase the VIRB audio-video cable accessory.

? Go to www.garmin.com/?outdoor.? Using headphones, you can monitor the audio when recording a video and listen to your recorded video in PLAYBACK on the device.? 1 Pull up the weather cap from the mini-USB port.? 2 Connect the mini-USB plug on the audio-video cable to the mini-USB port on the device.? 3 On the device, when prompted to output video, select No.? 4 On the device, when prompted to use an external microphone, select No.? 5 Connect the headphones to the 3.5mm AUDIOOUT connector on the audio-video cable.

? To stop using the headphones, you must disconnect the audio-video cable from the device.? Recorded Track Log Data Each point in the track log records your GPS location and data from available sensors.? The device can record these categories of data in the track log.? ? GPS location ? Speed ? Distance from the starting point ? Time ? Elevation ? G-force ? Heart rate (when connected to a compatible heart rate monitor) ? Cadence (when connected to a compatible bicycle cadence sensor) ? Temperature (when connected to a compatible temperature sensor) Tracks Adjusting the Volume When headphones are connected to your device, you can adjust the volume.? 1 Select MODE > SETUP > SYSTEM > Audio Out.? 2 Select and to change the volume level.? 3 Select OK.? 6 Dashboards NOTE: This feature is available for VIRB Elite only.? A dashboard is a grouping of data fields, charts, or graphs of data from the device sensors and connected ANT?+ sensors.? The dashboards provide real-time and historical views of the sensor data recorded to the track log.

? NOTE: All minimum, maximum, and average dashboard data resets after you turn off the device.? Compass displays the current heading and partial compass ring.? You must be moving to use the compass.? G-force displays the current g-force acceleration and maximum g-force acceleration .? When connected to a sensor, heart rate displays the current heart rate , maximum and minimum heart rates , heart rate graph , and time scale .

? Time displays the time since the device was turned on , time of day , and time of sunset or sunrise .? When connected to a sensor, temperature displays the current temperature , maximum and minimum temperatures , temperature graph , and time scale .? Distance displays the total distance , total descent , and total ascent .? When connected to a sensor, cadence displays the current cadence , maximum and minimum cadences , cadence graph , and time scale .? Speed displays the current speed , average speed , and maximum speed .

? Viewing the Dashboards 1 Select MODE > DASHBOARD.? 2 Select or to scroll through the dashboards.? Pairing Your ANT?+ Sensors When you pair a compatible ANT?+ sensor with your device, the sensor data is included in the track log, and you can view dashboards for the sensor data.? 1 Turn on the sensor, and bring the device and sensor within 10ft. (3m) of each other.? 2 On the device, select MODE > SETUP > SENSORS.? 3 On the device, select the type of sensor to pair.? The icon for the sensor blinks.? When the icon turns solid, the sensor is paired and connected.? Elevation displays the current elevation , maximum and minimum elevations , elevation graph , and time scale .

? Tips for Pairing ANT?+ Accessories with Your Garmin Device ? Verify that the ANT?+ accessory is compatible with your Garmin device.? ? Before you pair the ANT?+ accessory with your Garmin device, move 10 m (32.99 ft.) away from other ANT?+ accessories.? Dashboards 7 ? Bring the Garmin device within range 3 m (10 ft.) of the ANT?+ accessory.? ? After you pair the first time, your Garmin device automatically recognizes the ANT?+ accessory each time it is activated.



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? This process occurs automatically when you turn on the Garmin device and only takes a few seconds when the accessories are activated and functioning correctly.? ? When paired, your Garmin device receives data from only your accessory, and you can go near other accessories.? Forgetting Paired ANT?+ Sensors After you pair an ANT?+ sensor, your device will not accept data from another sensor of the same type.

? To pair a new sensor of the same type, you must forget paired sensors.? Select MODE > SETUP > SENSORS > Forget All.? www.garmin.com/?VIRB or the application store for your mobile device for compatibility information.

? 1 If necessary, install the Garmin VIRB app from the application store on your mobile device.? 2 On your VIRB device, select MODE > SETUP > WIFI > WIFI.? The VIRB device enters wireless host mode, and the SSID and password appear on the device screen.? 3 On your mobile device, go to the wireless settings and connect to the wireless network that matches the SSID on the VIRB device screen.? See the owner's manual for your mobile device for more information.

? 4 On your mobile device, enter the password that appears on the VIRB device screen.? 5 On your mobile device, start the Garmin VIRB app.? Remote Control You can start recording, stop recording, and take pictures on your VIRB device using another compatible Garmin device with ANT?+ wireless technology, such as the VIRB remote control accessory or the f?nix? watch.? You can also use your VIRB device to control other VIRB devices.? Advanced Wireless Settings You can change the wireless host settings for your device.? Select MODE > SETUP > WIFI > Advanced.? SSID: Sets the SSID, which identifies your VIRB device on other devices.? Password: Sets the password used to connect to your VIRB device.? Controlling the Device Remotely 1 On your VIRB device, select MODE > SETUP > Remote.? 2 Select VIRBType > Main VIRB.

? 3 Select an option: ? On the remote control device, launch the VIRB app or feature.? See the owner's manual for the device for more information.? ? On the remote control accessory, follow the pairing instructions in the accessory manual.? Troubleshooting My device does not turn on ? Install a memory card (page1).? The device does not boot if a memory card is not installed.? ? Verify the battery is installed correctly (page1).? ? Fully charge the battery (page1).? Controlling Multiple VIRB Devices Remotely When controlling multiple VIRB devices, you must choose a main VIRB device.? This device controls all your other VIRB devices.? If you are using a remote control device with multiple VIRB devices, the remote control device controls only the main VIRB device.

? The main VIRB device passes commands received from the remote control device to the other VIRB devices.? 1 On all of your VIRB devices, select MODE > SETUP > Remote.? 2 On your main VIRB device, select VIRBType > Main VIRB.? 3 On each of your other VIRB devices, select VIRBType > Extended VIRB.? REC on your main VIRB device starts and stops recording video on all your VIRB devices.

? on your main VIRB device takes a photo from all your VIRB devices.? 4 If you are using a remote control device, select an option: ? On the remote control device, launch the VIRB app or feature.? See the owner's manual for the device for more information.? ? On the remote control accessory, follow the pairing instructions in the accessory manual.? My device display is hard to see The device has a reflective display that maximizes battery life and is readable in direct sunlight.

? @@Some dashboard information requires you to enable or pair sensors.? ? Enable GPS (page9), and go to an area with a clear view of the sky.? @@? Connect additional ANT?+ sensors (page7).? @@@@? If video recordings stutter or skip frames, install a class 10 or better microSD memory card (page1).? The device requires a class 10 or better memory card to record smooth high-definition video.? Operating the Device Using Your Mobile Device NOTE: This feature is available for VIRB Elite only.? You can remotely view and control photo and video recording using a compatible mobile device running the free Garmin VIRB app.? The app connects using a direct Wi-Fi connection between your VIRB device and your compatible mobile device.? @@@@@The device is water resistant to IEC Standard 60529 IPX7.? It can withstand immersion in 1 meter of water for 30 minutes.

? Prolonged submersion can cause damage to the device.? @@GPS: Enables the device to receive GPS satellite signals.? When Recording enables GPS reception only when the camera is recording video (VIRB Elite only).? NOTE: GPS must be set to On to enable Auto Record.? Record Light: Turns the recording light on or off.? Tones: Turns audible tones on or off.? Power Save: Turns off the device automatically when the device has not been used for five minutes.? Time/Date: Sets the time and date formats.? Units: Sets the units of measure.? Language: Sets the on-screen text language.

? Reset Settings: Restores the default device settings.? About: Displays important software information and your unit ID.? Cleaning the Device NOTICE Do not use a dry cloth to clean the lens.? Use of a dry cloth may damage the fog resistant coating on the lens.? Wipe the device with a soft, non-scratch cloth dampened with water or alcohol.

? File Types The device supports these file types.? ? .?gpx track files (output only).? ? .?jpeg photo files.

? ? .?mp4 video files.? ? .?fit files for exporting to Garmin Connect (output only).? Time and Date Settings Select MODE > SETUP > SYSTEM > Time/Date.? Time: Sets the time.? NOTE: VIRB Elite devices set the time automatically when you enable GPS.? Time Format: Sets the device to show time in a 12-hour or a 24-hour format.? Date: Sets the date.? NOTE: VIRB Elite devices set the date automatically when you enable GPS.

? Date Format: Sets the device to show dates in a MM/DD/YY or a DD/MM/YY format.? Time Zone: Sets the time zone for the device.? Automatic sets the time zone automatically based on your GPS position (VIRB Elite only).? Connecting the Device to Your Computer NOTICE To prevent corrosion, thoroughly dry the mini-USB port, the weather cap, and the surrounding area before charging or connecting to a computer.? Before you can connect the straight connector of the USB cable to your device, you may have to remove optional mount accessories.? 1 Pull up the weather cap from the mini-USB port.? 2 Plug the small end of the USB cable into the mini-USB port.? 3 Plug the large end of the USB cable into a computer USB port.? Your device and memory card (optional) appear as removable drives in My Computer on Windows computers and as mounted volumes on Mac computers.? Erasing Your Memory Card NOTICE Erased data cannot be restored.

? You can erase all photos, videos, and other data on the memory card installed in your device.? Select MODE > SETUP > CARD > Erase > OK.? Support and Updates The VIRB Edit application provides easy access to these tools and services for your device.



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? ? *Reviewing and editing recorded videos ? Reviewing track logs ? Linking track logs to your recorded videos ? Software and feature updates The VIRB Edit application is available for Windows and Mac computers. ? Go to www.garmin.com/virbedit for more information. ? Extending the Battery Life NOTE: Using GPS and ANT? does not significantly affect battery life. ? ? Disable Wi-Fi. ? ? Enable Power Save in the system settings (page9).*

? ? *Turn the device on and off using REC (page3). ? ? Use automatic recording (page4). ? Specifications Battery type Battery life Water resistance Operating temperature range Rechargeable Lithium-ion battery Up to 3 hours Water resistant to IEC 60529 IPX7 From 5 to 140F (from -15 to 60C) Device Information 9 Charging temperature range Radio frequency/ protocol From 32 to 113F (0 to 45C) 2.?4GHz ANT?+ wireless communications protocol Wi-Fi IEEE 802.?11b/g at 2.?4GHz Getting More Information You can find more information about this product on the Garmin website. ? ? Go to www.garmin.com/outdoor. ? ? Go to www.garmin.com/learningcenter. ? ? Go to <http://buy.garmin.com>, or contact your Garmin dealer for information about optional accessories and replacement parts. ? 10 Device Information Index A accessories?7, 10 ANT?+ sensors?3 forgetting?8 pairing?7 speed?6 storing data?9 system settings?9 T temperature?6, 9 time settings?9 zones and formats?9 tones?9 tracks?6, 9 transferring, files?9 troubleshooting?8?10 B battery?1, 9 charging?1 installing?1 life?9 C cadence?6 camera field of view?4 level?3 modes?3 orientation?4 self timer?5 settings?3, 5 viewfinder?3 charging?1 cleaning the device?9 computer, connecting?9 U unit ID?9 USB mass storage mode?9 transferring files?9 V video editing?9 loop?5 output?6 playing?5 recording?3?5 settings?3, 4 time lapse?4 volume, adjusting?6 D dashboards?7, 8 data, transferring?9 deleting all user data?9 pictures?6 videos?6 device, keys?2 W water resistance?9 Wi-Fi?3, 8 connecting?8 E elevation?6 F files, transferring?9 G GPS?6 settings?3, 9 H HDMI output?6 headphones, connecting?6 heart rate?6 K keys?2 L language?9 M memory card?1 microphone, connecting?5 microSD card. See memory card mounting the device?2 mounts, optional?2 P pairing, ANT?+ sensors?7 photos settings?4, 5 taking?5 viewing?5 power key?2, 3 R remote control?8 S settings?9 software updating?9 version?9 specifications?9 Index 11 www.garmin.com/support 913-397-8200 1-800-800-1020 +32 2 672 52 54 +49 (0)180 6 427646 00800 4412 454 +44 2380 662 915 0808 238 0000 +44 870 850 1242 +45 4810 5050 + 39 02 36 699699 + 35 1214 447 460 1-866-429-9296 +358 9 6937 9758 0800 - 023 3937 035 - 539 3727 + 34 93 275 44 97 +43 (0) 820 220 230 + 331 55 69 33 99 + 47 815 69 555 + 46 7744 52020 Garmin International, Inc. 1200 East 151st Street Olathe, Kansas 66062, USA Garmin (Europe) Ltd. Liberty House, Hounsdown Business Park Southampton, Hampshire, SO40 9LR UK Garmin Corporation No. 68, Zhangshu 2nd Road, Xizhi Dist. New Taipei City, 221, Taiwan (R.O.C.) 2013 Garmin Ltd. or its subsidiaries .*



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