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Challenger ch 1000 owner installation manual

Challenger ch-1000 manual. Challenger ch-1000 garage door opener manual.

THIS DEVICE MEETS FCC RULES PART 15. Use of this device is subject to two conditions: it must not cause harmful interference and it must accept any received interference, including that which may affect its operation. SAFETY RULES, FEATURES, SPECIFICATIONS, TOOLS NEEDED, COMPLETED INSTALLATION ILLUSTRATIONS, OPERATION INSTRUCTIONS, ACCESSORIES, CARE & MAINTENANCE, ASSEMBLY, INSTALLATION, TRAVEL LIMIT ADJUSTMENTS, PERIODIC CHECKS ARE REQUIRED FOR SATISFACTORY OPERATION. THIS MANUAL IS FOR RESIDENTIAL USE ONLY. READ IT CAREFULLY. THE MODEL NUMBER LABEL IS ON THE PANEL. FASTEN THIS NEAR THE GARAGE DOOR AFTER INSTALLATION. THE CHAMBERLAIN GROUP, INC., 845 LARCH AVENUE, ELMHURST, ILLINOIS 60126-1196. 1. Multi Code Wireless Keyless Entry Keypad 4200 - visit: Multi Code Wireless Keyless Entry Keypad 4200 page 2. Challenger Garage Door Opener Parts - visit: Challenger Garage Door Opener Parts shopping page 3. Portable Sound System - operation manual, good design product, made in Taiwan, HKEIA AWARD for Outstanding Innovation and Technology Products, GREEN PRODUCT, RoHS Compliant - visit: www.chiayo.com.tw - Challenger 9300 9500 Manual : visit page for instructions - replacement parts for Challenger garage door openers : visit shopping page - new batteries for Portable Sound System - guidelines: battery should operate at temperatures between 15°C ~ 50°C - ideal operating temperature: 20°C ~ 25°C The Challenger Audio Link system features an essential component called the Beltpack Transmitter SM-916(UHF) / SM-316(VHF). This unit is powered by a 9V battery and serves as a crucial part of the overall audio link setup. For speaker compatibility, the Challenger Speaker (C-SP) can be connected to either switched or unswitched speaker outs found on the Challenger 1000 series units. 1. Firstly, ensure that the main power switch is turned ON, if the LED light does not come on, it may indicate weak or uncharged batteries. Simply plug in the AC cable to charge them up. Note that rechargeable batteries typically last around 2 years and should be replaced with a fresh pair if they've reached their lifespan. 2. When using FOLDERDOWN mode: - In stop mode, skip back to the previous folder's contents. If you're already on the first folder, go back to it cyclically. - During program entry mode, change the selected file to the first one in the previous folder. If you're already on the first folder, cycle through its files instead. - In normal play mode, skip to the first file in the previous folder. The Challenger 1000 and Challenger Slave contain two rechargeable batteries with specifications marked on them. Use these ones for optimal performance. Also, remember to turn off the power when not using the machine for a while to prevent data loss. The Challenger 1000 portable sound system series offers various configurations, including the basic unit, CD/USB player, CD/USB player with tape deck, and CD/USB player with digital recorder. All versions come equipped with an AC power cord, wireless receivers (if chosen), and transmitters. Optional accessories include a weatherproof dust cover, tripod stand, companion powered speaker, and wired microphone. The battery that powers the system is maintenance-free lead acid, which operates within a specified temperature range to ensure longevity. To maintain optimal performance, it's essential to keep the battery at temperatures between 20°C ~ 25°C, avoid extreme cold or heat, and recharge the battery every month even if not in use. This will help prolong its lifespan and prevent permanent damage. 1. Battery life typically lasts around 1 year, with possible indicators including internal short-circuit, capacity decrease, appearance deformation, charged end erosion, and operating voltage drop. User Precautions: a. For first-time use, charge the battery for 10 hours until it's fully charged. b. After 3 months of non-use, fully charge the battery to maintain performance and lifespan. c. Charge the battery before each use to its full capacity. d. Replace the battery after one year of use. e. Current consumption is directly proportional to load current; higher consumption means shorter operation time. 2. SMART and FOCUS devices operate on a single 12V/2.7AH battery, while ADVENTURE, CHALLENGER, and VICTORY models utilize two 12V/4.5AH batteries. 3. Handheld UHFS transmitters use the AAX39Vx1 battery, with a frequency range of 47-63 Hz and a maximum power consumption of 150W. 4. The SMART and FOCUS devices have a factory preset for immediate use after switching on. However, transmitter sensitivity must be adjusted according to application, such as close proximity singing or tripod mount speech. 5. To avoid over-modulation and distortion, ensure the preset sensitivity level is suitable for your specific application. For close proximity singing, select the lowest sensitivity, while for tripod mount speech, select a higher sensitivity. 6. If you've made changes to the settings, verify that both antennas of the receiver are installed for optimal reception. 7. Before using the devices, turn on the receiver by switching the Power/Volume control slowly until its LCD lights up. Switch on the matching transmitter with the correct frequency and ensure it's set according to the previously stored information. 8. Check the frequency setting on both transmitter and receiver, especially when the transmitter is moving around, as indicated by the Diversity A/B switch. 9. Precautions for optimal performance: a. Insert batteries correctly according to polarity. b. Ensure the PLL-16-frequency agile version has the same frequency group and channel number as the transmitter before operation. c. Switch off the power supply before making any channel changes on transmitters. The previously selected frequency will remain unchanged if no changes are made. After making a channel change, ensure that the corresponding change is also made on the matching receiver, as changes MUST be made at both the transmitter and receiver. CD player remote control features include LCD Display, PLAY/PAUSE, STOP, SKIP, EJECT, CD SELECTOR, USB SELECTOR, FOLDER SKIP, IR LED, USB INPUT, POWER/VOL, and more. Challenger 1000 (Master) (CD/USB Player & Digital Recorder version) Fig.4 ... (A long passage about installing Lavalier/headset microphones or instrument inputs) Channel selection and gain adjust are hidden in the designated cover of the front as illustrated. To make channel selection and gain adjust, please press the designated cover and flip it open as illustrated. Channel selection can be made by rotating the selector with a small screwdriver. Gain adjust for Lavalier and Headset microphones can be done by adjusting the MT switch, whereas GT switch is for the gain adjust of electric Guitar and other high-impedance line level inputs. The transmitter uses 3 pieces of "AA" size batteries (Alkaline battery is recommended). To install or remove the batteries, press the release buttons at the edges of the transmitter to open or close the cover as illustrated (Fig.1). A beltclip installation allows the user to wear the transmitter with antenna pointing upward or downward as illustrated. To wear the transmitter with the antenna pointing upward, install the belt-clip as in Fig.2. To wear the transmitter with the antenna pointing downward, please install the belt-clip as in Fig.3. Charging points are shown in Fig.2 and Fig.3. ... Beltpack Transmitter SM-816(UHF) / SM-216(VHF) features Eject key, Counter. Variable, and more. Challenger Slave Speaker Unit Features and Operations The Challenger Slave is a powered speaker unit with built-in switching power supply and rechargeable batteries, similar to the Challenger 1000 Master unit. It's part of the Challenger Audio Link system. **Battery Installation** For SM-916/SM-316 units, install a 9V battery. Open the battery compartment cover by pressing it downward; the door will flip open. Be careful with polarity when installing the battery. To close the compartment, press the cover upward until it locks. **Indicator and Power Switch** The unit has an indicator for battery status and charging. The power switch controls audio input, but not the wireless receiver module or Tape deck/CD player/Digital Recorder. The wireless microphone and transmitter module must have the same channel setting before use. **SM-5016 Parts & Functions** * Antenna * Battery weak / audio mute indicator * Audio mute switch * Mini-XLR connector * Power ON / OFF switch * LCD display * Charging port * Cover release button * Charging contacts * Lavalier microphone * Mic clip **Setup** 1. To install or remove batteries, press the release buttons at the edges of the transmitter. 2. The SM-5016 uses two "AA" size batteries (Alkaline battery is recommended). **Challenger Speaker (C-SP)** The Challenger Speaker is a passive companion speaker for the Challenger 1000 series. This device serves as a versatile recording source with multiple function modes. The 5-2 MODE key combined with the A-B/(EQ) key activates the EQ select function, allowing users to choose from Normal, Classic, Pop, Rock, or jazz presets. The LCD will only display the Normal preset if selected, while other settings are shown on the screen. The 5-3 MODE key in conjunction with the (VOC,/MP3) key enables selection between VOC mode (microphone or LINE IN source recording) and MP3 mode (downloading *.mp3 files from a PC). To delete a track in MP3 mode, press the 5-4 MODE key and the (Del.) key simultaneously; confirm deletion by pressing the (Del.) key again. The LCD will display "DEL" until the process is completed. The machine also features extended connectors for earphones (EAR), a USB connector to PC, an SD card slot with support for up to 512MB cards (offering over 8 hours of recording time or division into 99 tracks on a 1GB card), and MIC IN connectivity for two microphones. Volume control is available through rotary controls for microphone and level settings. The device can be connected to a PC via USB, enabling easy file transfer and management. Users must install hardware drivers if operating under Windows 98 or earlier versions. To store MP3 files in VOC mode, users must rename them according to specific formats: M_INT_XX.MP3 for flash memory or M_EXT_XX.MP3 for SD cards. MP3 mode accepts *.mp3 or *.wma file formats without renaming requirements. This device features a system that automatically selects the best channel when interference occurs. When activated, it will illuminate and display the last used channel in memory. Channel settings can be adjusted using the / button, allowing users to change the frequency of both the receiver and transmitter. The RF or Diversity indicator lights up when both are set to the same channel, while alternately lighting up A or B indicates movement of the transmitter. If interference is present, turning the SQ switch clockwise will make it appear or disappear completely; however, if the issue persists even at max position, it means that channel is unusable in that location. Users can press ▲/▶/SCAN to find a new clean channel and adjust the corresponding transmitter settings accordingly. The battery indicator LED on the receiver panel serves as a monitor for remote transmitter battery status, lighting up when weak or low. When both devices are powered on, users can speak into the microphone and adjust volume controls for amplified sound from the speaker. The handheld SQ-816(UHF)/SQ-216(VHF) transmitter requires 3 AA-size batteries and has specific parts and functions, including a power switch, channel switch, and charging port. Additionally, the system supports operation with a dynamic wired microphone, CD/USB Player, or Digital Recorder, providing users with versatile options for music and voice playback. please refer to the instruction of " Digital Recorder " controls and functions. Operation of system with Tape Deck. This operation is valid for version of Challenger 1000 with built-in " Tape Deck ". Rotate the volume control knob of the TAPE / CD control to adjust the volume of the Tape deck. For Bass and Treble setting, adjust the designated controls respectively. For more details, please refer to the instruction of " Tape Deck " Controls and functions. 25 Operating instructions 1. Before operation, please check and make sure that transmitter & receiver are of matching frequency or frequency group. 2. To switch on the microphone, put the switch to "ON" position. The green LED indicator will light on to indicate that battery is fresh. When RED LED light on, it indicates that battery is weak, thus a replacement is necessary. 3. For best result, alkaline battery is recommended. Please remove the battery if the transmitter is not to be used for a longer period. When necessary, mic capsule could be replaced by pulling out and plugging in the new one, either dynamic or condenser for SQ-916. Changing capsule Microphone has a modular design. To change or replace a capsule, Open the grill to pull out and plug in the capsule as shown in the following figure. Page 1311 Audio Link Operation Schematic diagram MASTER/SLAVE/SLAVE/SLAVE/SLAVE Audio Link Connection Plan When a Master unit is connected to one or several SLAVE units as follow, we called it an Audio Link Operation. The Challenger 1000 could be operated as MASTER only. The Challenger Slave can only be operated as SLAVE. In order to operate Audio Link, you must have a Challenger 1000 unit that operates as a MASTER. Only one unit is allowed to act as MASTER and the other(s) MUST operate as SLAVE(s). A MASTER unit is capable of connecting up to about 20 SLAVE units. To operate Audio Link, connect the Active Out (10) of the MASTER to the Audio Link IN (19) of the 1st SLAVE unit. The Out (20) of this SLAVE should be connected to the IN jack (19) of the 2nd SLAVE unit. Similar connection shall continue as such for the following SLAVE units. Volume Control (6) for MASTER or (21) for SLAVE. When used on the MASTER, it controls the MASTER as well as all the SLAVE units. When used on the SLAVE unit, it only controls that particular SLAVE unit volume. Maximum number of SLAVE units to be connected with a MASTER is about 20. 24LNLN PressHandheld Transmitter SQ-916(UHF) / SQ-316(VHF) Battery installation SQ-916/SQ-316 use a 9V battery for power. To change or replace the battery, please remove the color cap first, then press the bottom of battery compartment to release the cover as shown below. Low Sensitivity Normal Sensitivity Sensitivity switch Microphone has a sensitivity switch. For close mouth singing or normal speech, please put the switch to L (Low) position. For tripod-mount speech, please put the switch to N (Normal) position. 1. Capsule with metal grille 2. Battery indicator 3. Sensitivity switch 4. Power on/off switch 5. Battery cover Parts & functions All the Challenger 1000 (Master), Challenger Slave and the Challenger companionspeaker (C-SP) enclosures have the identical mechanical parts as follow : Three-stage Trolley (24 Release Button (25), Handle (26) and Wheels (27) are essential components, but for smooth surface movement over short distances only. The trolley should not be used as a handle on stairs; instead, use the provided Handle to navigate. When Tape or CD playback is in progress, Voice Priority operations offer Ducking and Music overrides. A simple switch can activate these features, temporarily lowering music volume while voice input becomes more audible. Background music will resume its original setting once audio input ceases for a set time, but if mic remains on, the re-activated music will also trigger voice priority. The device's settings can be customized at various locations. A lock/unlock feature is available, along with options to set and reset the unit. The charging port and name plate are also parts of the system. In terms of troubleshooting, no sound from a wireless microphone could be due to several factors: 1) The main power switch should be turned on, ensuring the batteries are charged or replaced every 2 years. 2) The corresponding receiver module's power switch must be turned on, indicated by a lighted power LED. 3) Verify that the wireless mic is switched on and its battery is functioning correctly. 4) Ensure that the frequency of the wireless microphone and receiver module match exactly. 5) Master volume control should also be turned on. If no sound is coming from a Tape/CD player, 1) Check if the main power switch is on, as indicated by a lighted power LED. 2) Verify that the Tape/CD volume control is on while master volume control remains off. For issues with voice priority or audio link not working, 1) Ensure the Voice Priority switch is turned on. 2) Make sure there's only one OUT cable connected from MASTER to SLAVE units in series. 3) Check if the battery is faulty or not charged. Regarding the installation of the receiver module, 1) Remove the blank panel covering the module compartment and position it so that the gold finger connection plug fits into the socket provided. 2) To secure the module, tighten the two screws on the Challenger rear panel. The system's functions include PLAY/PAUSE, STOP, CD, USB, SKIP+, UP/CUE, SKIP-DOWN/REV, FOLDER-UP, and more, depending on the mode (CD or USB). The key actions vary based on the current state of play. For random play/pause mode, press "CONTINUE" for fast forward during play/pause when held more than 0.7 seconds. In stop mode: Switch to next track, cycling back to first if on last track. During program entry: Go to previous track. Single press: Skip current track in normal play/pause mode, or skip program in program play mode. Continue press for fast reverse. In stop mode: Switch to next folder, cycling back to first if on last folder. During program entry: Select next file in program. Normal play: Go to next file's location. Charging Process: The charging process begins automatically and the charging indicator (12&20) flashes green. When fully charged, it stays green. Speaker Output: Both internal and external speakers produce sound when connected. Trolley Release Button (27): Pressing this button releases the locking mechanism for easy handle pulling. SD Card Precautions: Use a USB 2.0 formatted in "FAT" or "FAT-32" to avoid playback issues. Power Management: Turn off power during extended periods and avoid twisting cables during data transmission. Digital recorder features include portability to PC for easy copying, multiple EQ modes, and a repeat function. It also comes with time counting, dual microphone inputs, line-in control, and a stereo earphone jack. The device has tactile controls for track selection, play, stop, pause, forward, and rewind, as well as mode and volume control. Operating the digital recorder involves using keys to manage power, recording, playback, and deleting tracks. It can store up to 99 tracks in either VOC or MP3 format on its built-in flash memory or an external SD card, with a capacity of approximately 60 minutes of recording time. The device also features a LCD display for navigating through the digital recorder's manual mode and selecting different EQ settings.