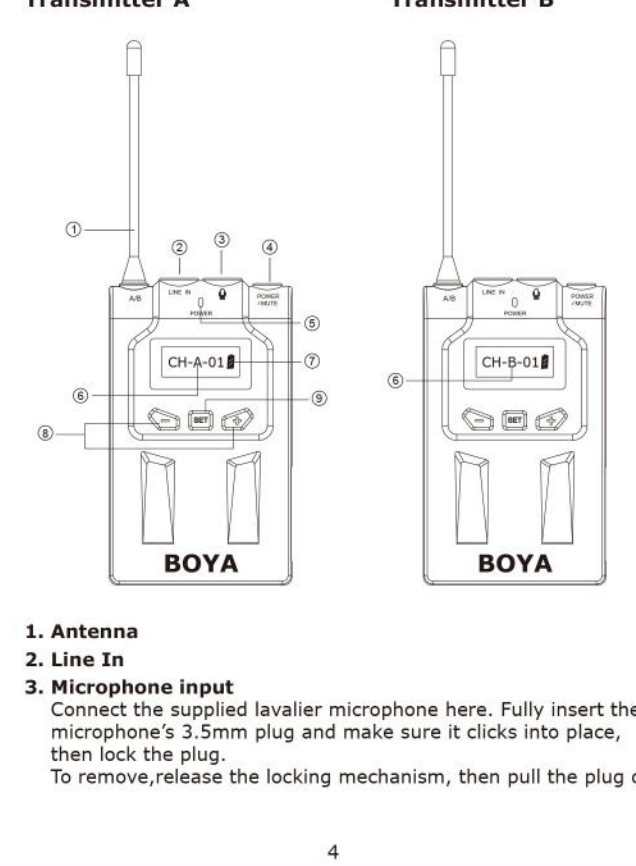
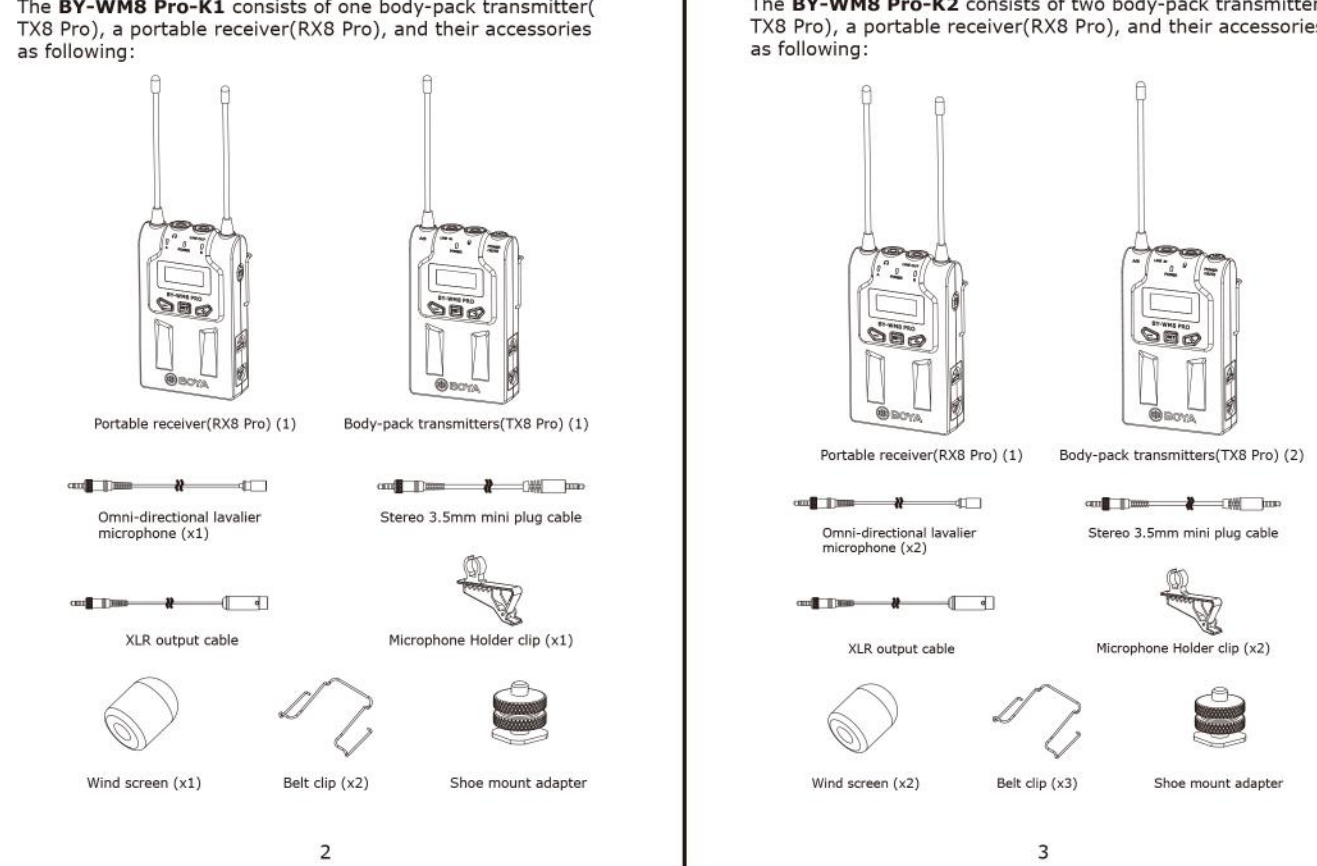


Contents Introduction Contents BY-WM8 Pro-K1 The Structure of Transmitter LCD Display Operation Guide Installing Batteries Attaching Accessories Connect Transmitters and Receiver Set up channel, VOL, Channel A/B ON or OFF, MONO/STEREO...

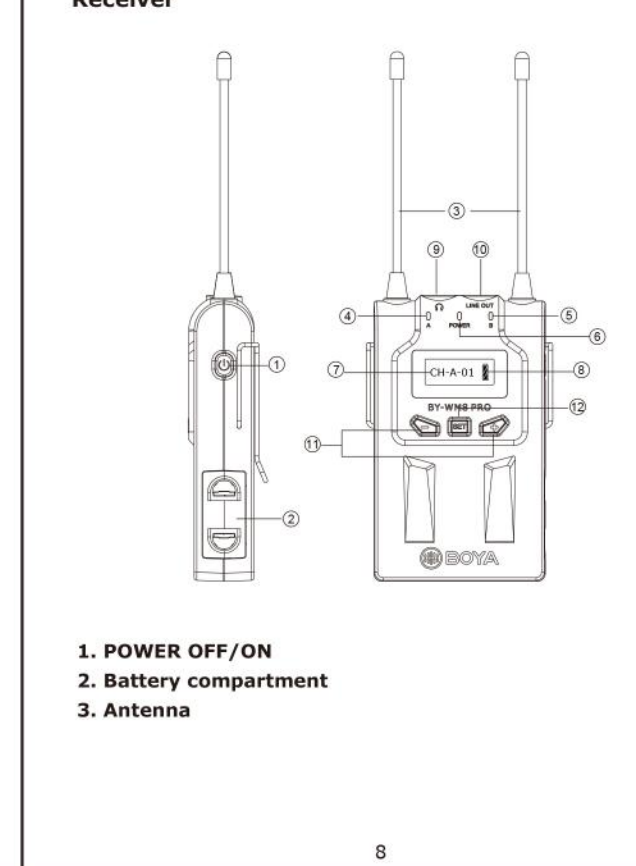
Thanks for choosing BOYA! The BOYA BY-WM8 Pro is an upgraded, UHF Dual-Channel Wireless Microphone System for capturing audio with dual subjects, features an easy-to-read LCD display, a wide switching RF bandwidth, PLL-synthesized tuning and digital companding circuitry...



4. Power/Mute button 1) Long press the power of the transmitter ON or OFF 2) Short press for muting 5. Power LED 1) The power LED glows blue when the unit is on. 2) The power LED of transmitter glows red when low power.

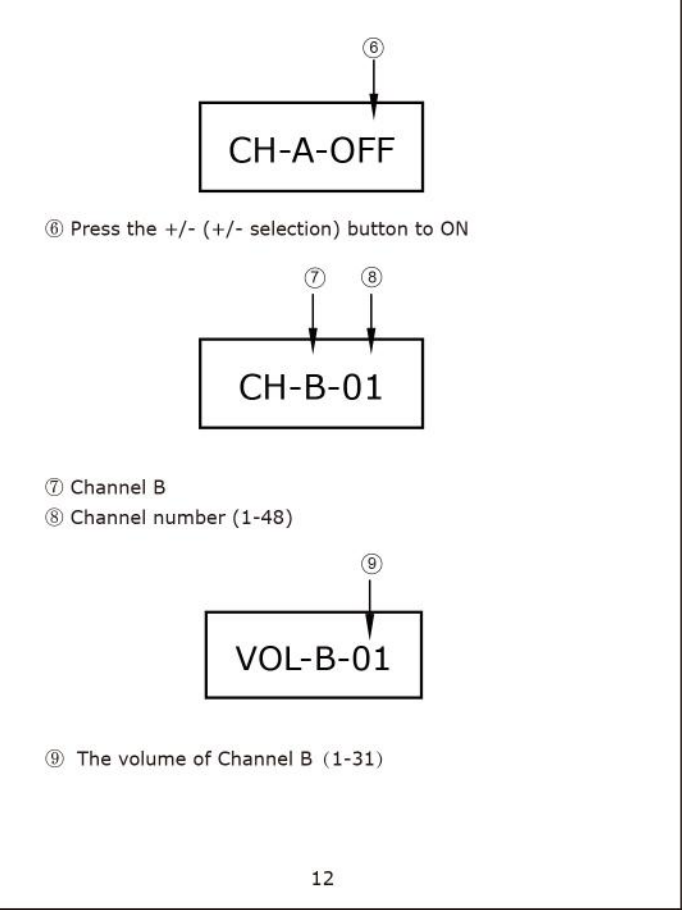
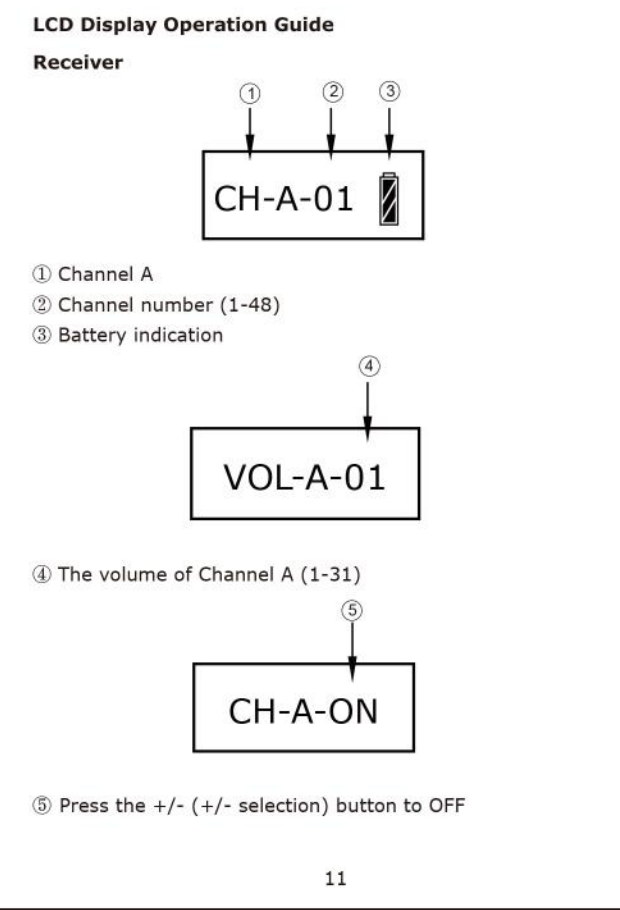
6. CH (Channel) Indication Shows the transmission channel. IMPORTANT: Both two transmitters can be used for Transmitter A or Transmitter B. How to exchange Transmitter A and Transmitter B, please kindly refer to page 15. 7. Battery indication Shows the battery condition.

9. SET button Press to change and enter display parameters. For details, please see 'How to set up channel, VOL, STEREO and MONO' on page 24. 10. Belt clip 11. 1/4" Thread 12. Battery compartment Accommodates two AA batteries. For more details, please see 'Installing batteries' on page 16.



4. Power LED (ANT-A) 5. Power LED (ANT-B) 6. Power LED (POWER) 7. CH (Channel) indication Shows the transmission channel. 8. Battery indication Shows the battery condition 9. Monitor/ Earphone Connector (3.5mm diameter stereo mini jack) To monitor the receiver output, connect the headphones to this connector.

11. + (selection) / - (selection) buttons Press these buttons to set the transmission channel, attenuation level of the input signal, or "STEREO" and "MONO" mode. 12. SET button 13. Shoe mount adapter For more details, please see 'To attach the shoe mount adapter' on page 22.



How to set "MONO" and "STEREO" 1. Press "SET" button, the display section shows "MONO". 2. Press the "+" or "-" (+/- selection) button, choose "MONO" or "STEREO". Important: The Mode that the factory set is "MONO". The results are stored in memory, and the change becomes effectively when you turn on the transmitters next time.

Transmitter 1. Mute On 2. Channel A 3. Channel B How to change transmitters A and B Both two transmitters can be used with A or B. 1. How to change transmitter A to transmitter B 2. How to change transmitter B to transmitter A, just redo the 1) and 2) steps as above.

Installing Batteries The transmitters and the receiver are each powered by two AA batteries. To install batteries, please follow these steps: 1. Turn OFF the units, slide the battery-compartment catches inward in the direction of the arrows. 2. Take out the battery holder. 3. Insert the batteries into the battery compartment by matching their polarities to the indications inside the compartment. Then, set the battery holder in the original position.

Notes on battery Batteries may leak or explode if mistreated. Be sure to follow these instructions: 1. Make sure install the batteries with correct polarity. 2. Always replace two batteries together. 3. Do not use different types of batteries or old and new one together. 4. When not using the components for a long period of time, remove the batteries to avoid leakage. If the batteries do leak, clean all leakage from the battery compartment and the component. Leakage left in the compartment and the component may cause poor battery contact. If there seems to be poor battery contact, please consult our local dealer.

Battery indication When you turn the power on, the battery condition is shown by the BATT indication in the display section. Be sure to check the expiration date printed on the new batteries before using them. CAUTION Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by manufacturer. When you dispose of the battery, you must obey the law in the relative area or country.

Attachment and Installation Procedures To attach the holder clip to the microphone Push the holder clip against the bottom of the microphone until the holder clip clicks into place. To attach the wind screen to the microphone Insert the microphone into the hole at the bottom of the windscreen.

Attaching the supplied accessories to the body-pack transmitter To attach the microphone For a secure connection, be sure to turn and lock the connector cover. NOTE Make sure to attach or remove the microphone after turning off the transmitter.

For a secure connection, be sure to turn and lock the connector cover. To attach the belt clip Before attaching the shoe mount adapter, attach the belt clip. Reorienting the belt clip: The BY-WM8 Pro's belt clip can easily be removed and reattached to the body pack, so you can mount it upside down. To reorient the belt clip, please follow the below steps: 1. Push outward on the belt clip at one of the hinges, so one side of the clip pops out. 2. Push the belt clip out from the other hinge to completely remove the clip from the body pack. 3. Realign the belt clip with the body pack, making sure the clip is facing the desired direction. 4. Insert the two-way belt clip into the body pack, one hinge at a time.

To attach the shoe mount adapter Note: 1. The Channel-A and Channel-B of receiver can be adjusted separately, when use two transmitters, transmitter A and transmitter B doesn't need to keep same channel. 2. Do not remove the batteries while setting the transmission channel. 3. Make sure that the selected channel is the same on the transmitters and receiver being used in the same system. Note: 1) If you are using multiple BY-WM8 Pro wireless systems, make sure each system is set to a different channel, which can reduce the chance of intermodulation. 2) If the transmitters and the receiver connect, the power indicator stays blue. Otherwise, if the power indicator of receiver light off, that means, the transmitters and the receiver is disconnected. 3) For more details, please kindly refer to page 5. 4) With the headphone volume low, plug your headphones into the receiver and gradually raise the level to a comfortable volume for monitoring the transmission. 5. The Channel and Volume of the Transmitters and the Receiver are "CH-1" and "VOL-24" when turn on them for the first time. Adjust channel as you need. Adjust as necessary to make sure an ample level of being transmitted to the receiver. The objective is to transmit the highest level without distortion for the best signal-to-noise ratio throughout the signal path. 6. Once you have determined the transmission quality and level are good, mount the transmitter and the receiver.

Note: 1. When you are setting the transmission channel, the transmitter cannot be used to transmit signals. 2. Do not remove the batteries while setting the transmission channel. 3. Make sure that the selected channel is the same on the transmitters and receiver being used in the same system. For setting up the channel, VOL, STEREO and MONO for receiver, please follow the below steps: Set up Channel 1) Set up Channel A - Press "SET" button of Receiver, the display section shows "VOL-A". - Press the "+" (+ selection) button to increase the volume. - Press the "-" (- selection) button to decrease the volume. - Long press +/- buttons, the volume will increase and decrease automatically. Turn Channel A or B ON or OFF 1) Set up Channel A - Press "SET" button of Receiver, the display section shows "CH-A-ON" or "CH-A-OFF". - Press the "+" (+ selection) button to increase the channel. - Press the "-" (- selection) button to decrease the channel. - Long press +/- buttons, the channel will increase and decrease automatically. 2) Set up Channel B - Press "SET" button of Receiver, the display section shows "CH-B-ON" or "CH-B-OFF". - Press the "+" (+ selection) button to increase the channel. - Press the "-" (- selection) button to decrease the channel. - Long press +/- buttons, the channel will increase and decrease automatically. Note: In order to save battery life, when you only use Transmitter A, please turn OFF Channel B of Receiver and vice versa.

Set up Volume 1) Set up Channel A - Press "SET" button of Receiver, the display section shows "VOL-A". - Press the "+" (+ selection) button to increase the volume. - Press the "-" (- selection) button to decrease the volume. - Long press +/- buttons, the volume will increase and decrease automatically. 2) Set up Channel B - Press "SET" button of Receiver, the display section shows "VOL-B". - Press the "+" (+ selection) button to increase the volume. - Press the "-" (- selection) button to decrease the volume. - Long press +/- buttons, the volume will increase and decrease automatically. Turn Channel A or B ON or OFF 1) Set up Channel A - Press "SET" button of Receiver, the display section shows "CH-A-ON" or "CH-A-OFF". - Press the "+" (+ selection) button to increase the channel. - Press the "-" (- selection) button to decrease the channel. - Long press +/- buttons, the channel will increase and decrease automatically. 2) Set up Channel B - Press "SET" button of Receiver, the display section shows "CH-B-ON" or "CH-B-OFF". - Press the "+" (+ selection) button to increase the channel. - Press the "-" (- selection) button to decrease the channel. - Long press +/- buttons, the channel will increase and decrease automatically. Note: In order to save battery life, when you only use Transmitter A, please turn OFF Channel B of Receiver and vice versa.

Set up "MONO" and "STEREO" For how to set up "MONO" and "STEREO", please refer to page 14. Troubleshooting If you have any problem using the BY-WM8 Pro components, use the following checklist. If any problem persists, please consult our local dealer, or contact us directly.

Troubleshooting table with columns: Symptom, Meaning, Remedy. Symptoms include no sound, distortion, audio is noisy, and audio is picked up.

Make sure there is an unobstructed line of sight between the transmitter's and the receiver's antennas. RF signal is weak. Turn down the audio output level on your camera or recording device. Lower the audio output level on the receiver. Turn down the gain on your mixer. If there is no adjustment on the device, and the level is still high, adjust the microphone level on the transmitter. Keep this level as high as possible without distortion. Make sure the microphone is as close as to the subject as possible.

FCC STATEMENT: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation. Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help. RF warning statement: The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Specifications: System Oscillator type: PLL Synthesized Control Oscillator Carrier Frequency Range: 556.71 MHz-575.98 MHz (Transmitter A) 576.39 MHz-595.66 MHz (Transmitter B) Channels: 48 Frequency response: 40 Hz to 18 kHz (+/-3dB) Operation range: 100m (300')(without obstacle) Operating temperature: 14°F to 122°F (-10°C to +50°C) Storage temperature: 14°F to 131°F (-10°C to +55°C) Transmitter: RF output power: ≤10 mW Antenna: 1.14λ wire antenna Frequency Range: 35MHz - 18 KHz Signal / Noise: 71dB SPL Sensitivity: -30dB +3dB / 0dB-1V/Pa, 1kHz Connector: 3.5mm locking mini plug Length: 1.2m (4')

Receiver: Antenna: 1/4λ wire antenna Audio output connector: 3.5mm jack Signal to noise ratio: 70 dB or more Distortion: 0.5% or less Headphone output level: 30mV (16 Ω) Audio output level: -60 dBV Power supply: Two AA size batteries Dimensions: 208(H) × 67(W) × 29(L)mm Weight: 90g without batteries Lavalier Microphone Transducer: Back electret Condenser Polar pattern: Omni-directional Frequency Range: 35Hz - 18 KHz Signal / Noise: 71dB SPL Sensitivity: -30dB +3dB / 0dB-1V/Pa, 1kHz Connector: 3.5mm locking mini plug Length: 1.2m (4')

Frequency Chart Transmitter A Channel(CH) Frequency(MHz) Channel(CH) Frequency(MHz) 1 556.710 25 566.550 2 557.120 26 566.960 3 557.530 27 567.370 4 557.940 28 567.780 5 558.350 29 568.190 6 558.760 30 568.600 7 559.170 31 569.010 8 559.580 32 569.420 9 559.990 33 569.830 10 560.400 34 570.240 11 560.810 35 570.650 12 561.220 36 571.060 13 561.630 37 571.470 14 562.040 38 571.880 15 562.450 39 572.290 16 562.860 40 572.700 17 563.270 41 573.110 18 563.680 42 573.520 19 564.090 43 573.930 20 564.500 44 574.340 21 564.910 45 574.750 22 565.320 46 575.160 23 565.730 47 575.570 24 566.140 48 575.980

Frequency Chart Transmitter B Channel(CH) Frequency(MHz) Channel(CH) Frequency(MHz) 1 576.390 25 586.230 2 576.800 26 586.640 3 577.210 27 587.050 4 577.620 28 587.460 5 578.030 29 587.870 6 578.440 30 588.280 7 578.850 31 588.690 8 579.260 32 589.100 9 579.670 33 589.510 10 580.080 34 589.920 11 580.490 35 590.330 12 580.900 36 590.740 13 581.310 37 591.150 14 581.720 38 591.560 15 582.130 39 591.970 16 582.540 40 592.380 17 582.950 41 592.790 18 583.360 42 593.200 19 583.770 43 593.610 20 584.180 44 594.020 21 584.590 45 594.430 22 585.000 46 594.840 23 585.410 47 595.250 24 585.820 48 595.660

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