Avedro FGSH07-AVO-01 / FGPCBA-AVO-01 Remote Operational Behavior - Rev3 2020-02-24



- Input refet : DC Volteny) 1) LFVE-4: Good : 27V-2) LFVE-4: New regular: 25-27V 3) LFVE-4: New regular: 25-27V 3) LFVE-4: New regular: 25V: Will not Sync at this level. Remote will continue to transmit, if paired, until batteries are drained.

2. Installing New Batteries: 2-1) If new batteries are installed, the remote will remain in standby mode until any directional button is pressed and the remote control will SYNC to host.

2-2) REGISTRATION OF REMOTE : After the remote is SYNC with the receiver, it will register with the receiver. After a remote is registered, no other remotes can SYNC with the host.

2-3) If the batteries are replaced (under any condition), the remote should manually re-SYNC to the receiver

Battery Button: When the Battery Button is pressed to check the battery status, the following behavior is expected: Remote will not attempt to SYNC with host.

3-1) Remote not SYNC with host. If the <u>Battery button is pressed</u> before the remote is SYNC with host:

3-1-1) LEVEL-A : While checking battery status (Blue LED)
Blue battery LED will stay ON for 5 seconds and then turn off

3-1-2) LEVEL-B : While checking the battery status (Yellow LED)

Amber battery LED will stay ON for 5 seconds and then turn off

1-3) LEVEL-C : The Amber LED will blink on/off (1Hz) for 5 seconds and then turn off. Remote will not attempt to SYNC with host.

If any directional button is pressed while the battery level is at Level C, the battery button amber LED will blink for 5 seconds and then turn OFF. Remote will not attempt to SYNC with host

3-2) Remote SYNC with host.

3-2-1) If the <u>Battery button is pre</u>

- STMC with heat, invices will repeat until batteries are drained or procedure is completed. <u>Earliery battoris is proved</u> after the remote is STMC with heat: UNLNL Battery battore <u>after to the CM of the State CM and the Hums OFF</u> LINLL Battery battore <u>after to CM and while ternation</u> unit spyces isots or system User Interface breaks sync at completion of a treatm LINLL Battery battore <u>after to CM and while iternation</u> unit spyces isots or system User Interface breaks sync at completion of a treatm LINLL Battery battore <u>after to CM and White Inter State</u> different off. The remote will continue to transmit, if paired, until batteries are
- 3-2-2) The remote should automatically indicate the change from battery Level A to Level B to Level B to Level C. LEVLE : If battery level drops to Level B DUBING a procedure, the battery bottom andre LED will built DVL and remain CAL will SYNC with host is lost. LEVLL : If battery level drops to Level C DUBING a procedure, the battery battom andre LUD will brink for 5 seconds and then tum CBC. The remote will con tinue to transmit, if paired, until batteries are dra

4. SYNC Workflow: If any directional button is pressed one time, the remote will SYNC with receiver, as per behavior below (Refer to battery level information above)

4-1) Sync Start

1-2 When the remote starts to SYNC, the Blue LED Light Ring will blink in a clockwise pattern at 1 Hz/revolution to indicate SYNC ON



hen the remote pairs to the receiver, the Blue LED Light Ring will remain ON.

If the remote fails to SYNC after 20 seconds, the Amber LED Light Ring will turn ON for 20 seconds and then turn OFF --> The remote control will have the same same behavior as 6-1

If the Battery button is pressed during the SYNC fail behavior, the button will function normally, as described above in section 3. (Check Battery Level and SYNC)

For example: If the receiver is not powered on or some other issue, the remote will be unable to SYNC. Once power is restored to the receiver or other issue is resolved, the remote will be able to SYNC as expected

Sync Lost:
Factors that can cause loss of SYNC between remote and receiver
6-19 Power OFG on RX
6-20 Low battery lovel on remote control.
6-31 Communication between remote and receiver interrupted by distance, interference or other factors.
6-40 KX intertinually losing SYNC when procedure is completed (Power OFF to IO).

[Sync Lost - Operational Summary] 6-11) if the SYNC is lost, the LED Light Ring will change from Blue to Amber to indicate SYNC Lost status. The Amber LED in the Light Ring will remain ON for 20 seconds and then tum OFF.

6-2) If the battery voltage levels drop, the Amber LED of the Battery button will have the following behavior: If the battery voltage moves to Level C, the remote continue to transmit until batteries are dead.

6-3) If the batteries are replaced (under any condition), the remote should manually re-SYNC to the receiver

6-3) If the remote control is unable to STNC with receiver (distance or interference): a) if the STNC is load, the LED Light Ring will change from Bue to Amber to indicate STNC Load status. The Amber LED in the Light Ring will remain on for 20 seconds and then turn ofF-b). The remote will continue to automationally re-STNC for 20 seconds and then timeout.

6-4) When finished using the remote control:1) If the receiver is powered OFF, the remote control will use the same behavior as 6-1

ver Module Behavior 1) Add Blue and Amber feedback LED on receiver module

- Add Blue and Amber feedback LID on receiver module.
 If the receiver SNRC with remote the Blue LD will remain on. If the receiver is not SNRC with remote, the Amber LED will remain ON.
 If the receiver loss SNRC the Amber LED will remain on.
 Both LEDs will turn of them the power to the receiver is disconceded.
 When power to the receiver is optical, the receiver will only connect to the transmitter after receiving the initialization code from host.
 The receiver will connect to the transmitter, after receiving the initialization command from the host, when any direction buttom buttom is presed on the transmitter and after the 20 second reconnect period after the Sync. ect period after the Sync is lo

FCC compliance notice FCC ID = 2AVGK-KXLTX

FCC ID = 2AVGR-ROLTX 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. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generate, uses and can radiate radio frequency energy and (in to 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 garticular installation. If this equipment does cause harmful interference to radio or tevision 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 anterna. -increase the separation between the equipment and receiver. --Concret the equipment indo an culter and actual different from that to which the receiver is connected. --Consult the dealer or an experienced radio/TV technician for help.

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 and (2) this device must accept any interference received including interference that may cause undesired operation.

Caution: Any changes or modifications to this device not expressly approved by the party responsible for compliance could void your authority to operate the

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.