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## 1. Introduction to the Armilla System

Thank you for purchasing the Armilla Tech system designed to improve communication between the coach and players during games and in training.

The following system combinations are available:

### A. NAME: 1 Tablet System

One tablet for the coach directing both the offence and defense plays during games/training, and up to 22 wristband devices for players.

### B. NAME: 2 Tablet System

Two tablets for two coaches, one coach directing the offence, one coach directing the defense during the game/training, and up to 22 wristband devices for players.

## 2. How to Power ON the Command Center

Press and hold the power button for 2-3 seconds – the command centre should power up.

## 3. How to Power ON a Wristband Device

Press and hold the power button for 2-3 seconds – the wristband device will power up and vibrate. The screen will display the:

1. Device ID
2. Player Name (once assigned)
3. FW version
4. Start message: “NO TABLET PAIRED” or “TABLET: FFFFnnnn WAITING TO PLAY”

## 4. How to use the System for the First Time

Before using your new system for first time there are a few steps that need to be completed: user account setup, tablet(s) registration, play library creation as well as pairing the wristband devices with the tablet through the Armilla mobile app.

### 4.1 Setting-up your account and registering the tablet(s)

1. Call Armilla Tech to create a new user account and provide the tablet’s IMEI number.
2. Once a new account has been created, Armilla will provide the credentials to log into the Armilla Web Portal <https://armillatech.com/portal> and the Armilla mobile app already installed on the tablet.
3. Login on the web portal with the given username and password
4. Select and pay for an Annual Subscription.
5. Register the tablet by having the tablet IMEI number ready (found on label in the back of the tablet or on the Login page in the Armilla mobile app)

6. Specify the type of usage for the tablet: “Offence only”, “Defense only” or “Offence & Defense”. The web portal should confirm the registration.

#### 4.2 Creating your Play Library

On the Web Portal, use the “Play Sheet / Play Library” to download templates, customize and upload your custom Play library or Constructive Play sheet in a .csv file format.

#### 4.3 Configuring your tablet

1. Power ON the tablet
2. Configure Wi-Fi to provide internet connection to the tablet.
3. The log into the Armilla mobile app
4. On the Play Library tab, click the “+” icon to add Play Libraries by selecting “Import from the portal”, “Import from a file” or “Add a new play”.

#### 4.4 Pairing Wristband Devices

The wristband devices need to be paired with the tablet before starting a game. Before giving the wristband devices to the players, first power on all devices and use the Armilla mobile app to pair them.

1. Open Armilla mobile app and login with the provided credentials.
2. On the Devices tab, click the “+” icon and select “Pair new devices”.
3. Place up to four (4) wristband devices in pairing mode by double pressing the power button. You have 30 seconds to pair the device.
4. On the tablet click “Stat Scan” and the tablet will list all wristband devices in pairing mode.
5. Select one wristband device in the list and click “Connect”. The color of the icon will turn from grey to green if paring is successful.
6. Repeat 5 for all wristband devices in the list.
7. Repeat steps 3-6 until all your wristband devices are paired with the tablet.

#### 4.5 Assigning a player name to each device (optional)

You can assign a player name to each wristband device in the “Devices” tab. Select a device and hold to open a pop-up menu. Select “Edit Device Information”, here you may input the name of the player that will be using this device. The name will be sent to the wristband device and displayed.

Distribute the wristband devices to the players as per the name on the screens.

Now you are ready to start a game.

## 5. Starting a Game

1. On the Games tab, start a new game by click on the “+” icon.
2. Provide a name and select a Play Library/Constructed Play Sheet.
3. Select wristband devices/players for this game and specify if their role is Offence, Defense, or Both. (Please note the position selection is only available on tablets directing both the offence and defense plays.)
4. Select “Start Drive”
5. Select from top of page “Offence”, “Defense” or “Offence & Defense”
6. Select a play from the Play Library and click “Call Play” to send the message to the players

All players with the corresponding role should receive the selected play, the device will vibrate to notifying the player that there is a new message.

7. Repeat Step 5 as many times as needed
8. When you would like to “End Drive” click the button. (This will be logged in the Game Log.)
9. Use the “Half time” button to mark the game break. (This will be logged in the Game Log.)
10. Start a New Drive to continue the game
11. To finish the game end the current Drive and then click “End Game”. (This will be logged in the Game Log.)
12. The game log is uploaded to the Web Portal and the game Report is available for download anytime.

## 6. Using Two Tablets

- If the tablet was registered as Offence, the coach will not have option to select positions.
- If the tablet was registered as Defense, the coach will not have option to select positions.
- If the tablet was registered as Both, the coach will have option to select positions.

Two tablets should avoid sending messages simultaneously (to avoid RF collisions and player confusion)

## 7. Using the System in the Rain

Both the command centre and wristband devices are waterproof.

## 8. Using the Wristband Devices in Cold Conditions

The wristband devices have a heater installed, to maintain operable temperature conditions (-25°C to +50°C).

The wristband device will enable the heater if the ambient temperature drops below 10°C.

The wristband device will disable the heater if the ambient temperature rises above 15°C.

the unit will not power on.

If the ambient temperature drops too sharply the heater will not be able to increase the internal temperature to compensate – the unit will shut off to prevent any damages to the screen and battery.

If the heater is unable to increase the internal temperature into the accepted range – The heater will time out and the unit will shut off to prevent any damages to the screen and complete battery drainage.

## 9. User Manual Information for Certified Device

### FCC Statements

*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.*

*Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.*

*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 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 Exposure:*

*This device complies with the general SAR (Specific Absorption Rate) exemption rules of the FCC regulations. The device has been evaluated and meets the RF exposure requirements for portable devices as specified in 47 CFR § 2.1093 and 47 CFR § 1.1310.*

#### *Antenna Info:*

## USER MANUAL – ARMILLA WRIST RECEIVER – MODEL ARWR-V4

*This equipment uses the following Antennas and may not be used with other antenna types or with antennas of higher gain:*

*Mfg.: Taoglas*  
*Type: Ceramic Loop Antenna*  
*Gain: 1.57 dBi @ 915 MHz*

**Note:** Antenna info above not required for permanently attached antennas such as chip antenna or trace antenna.