



DOCK-KING GROUND STATION

USER MANUAL



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Introduction

Simplify your FPV and increase your video resolution with the Furious FPV DOCK-KING, allowing ultra-directional placement for the very best in signal strength clarity.

With your receiver mounted in a traditional fashion, it is all too natural to have your head tilted downward, thus compromising your antenna direction and overall video reception. Further this with head movement that can compromise your video clarity and increase video breakup, the DOCK-KING ground station ends all of this with a powerful & compact layout that optimizes maximum FPV clarity.

The DOCK-KING allows your TRUE-D V3 unit to be mounted and pointed in the perfect direction for optimal signal clarity, capitalizing on the very best video quality as you push your FPV to the max. Further this with integrated functionality like a built in OSD with dual antenna RSSI signal bars, you can now monitor both antenna signals to help you optimize the perfect direction and antenna type for the ultimate FPV setup.

Alongside the integrated OSD, the DOCK-KING features a warning buzzer, dual AV output ports and an external output for HDMI & DVR functionality. Ultra flexible with feature packed performance, the DOCK-KING incorporates the ability to be fully configured via smart phone, offering ultra-easy Bluetooth connectivity for on the fly updates & changes.

Ditch video drop outs & signal fluctuations that take place with movement of your head with the Furious FPV DOCK-KING. Compatible with any FPV goggles that utilize the TRUE-D V3 system, the DOCK-KING is also compatible with the FatShark Attitude V3, Transformer or HD goggle set.

Simplified, feature packed and designed to boost your FPV to the max, enter the Furious FPV DOCK-KING for the ultimate FPV experience.

Integrated OSD with Dual Antenna Feedback - Directional Nirvana

Maximize your FPV experience with ultra-clear video via the dual antenna feedback system. This dual feedback system allows you to monitor the signal strength of both antennas in separate fashion, allowing the very best direction to be chosen, along with the best antenna to be utilized.

Optimal Placement - Video Perfection

Instead of relying on the movement of your head to dictate signal strength, you can now choose the best placement of your receiver system via the Dock-King Ground Station. This will optimize your video quality with far less video dropout or compromise,

allowing you to focus on your flight without having to guess where to "look" to better your video quality & clarity.

Dual AV Output Ports - Sensory Delight

Utilize your DOCK-KING to the max with dual AV ports, allowing you and your spotter to see the very same zero compromise FPV video feed.

HDMI & AV Output - Ready To Rock

Pair the DOCK-KING ground station to any high end goggle set of your choice, with direct compatibility with the FatShark Attitude V3, Transformer, HD, or any other goggle system that accepts HDMI input capability.

Battery Voltage Info with Buzzer - Stay In the Know

Integrated within the OLED screen of the TRUE-D system, you can keep up to speed on critical battery voltage. When the voltage gets too low, the built in warning buzzer is there to remind you that the DOCK-KING is ready for a recharge or just swap the battery out for continuous flying.

Personal Lap Time Functionality - Push Your Limits

Keep tabs on your laps with the built-in personal lap time function, allowing to track your best laps without the need of a separate RF timer, thus simplifying your practice.

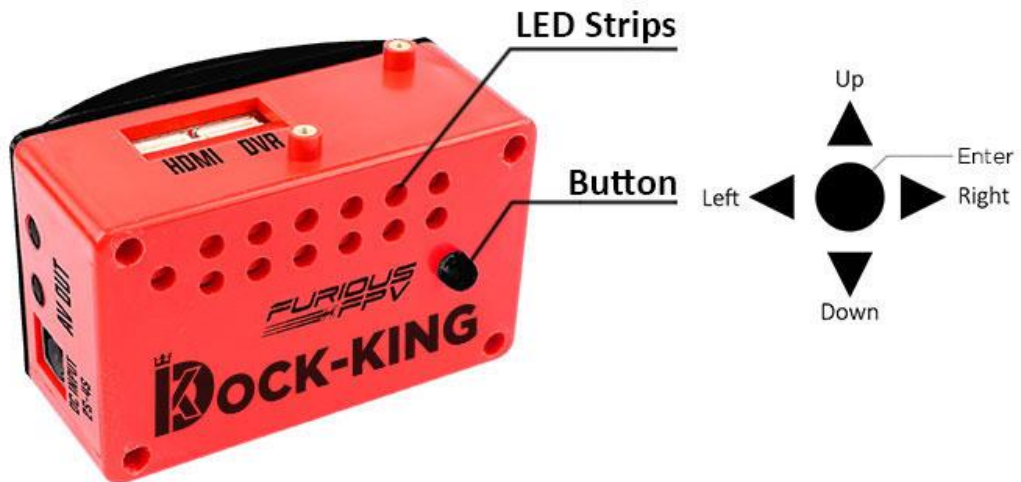
Smartphone Configuration Ready - The Ultimate In Simplicity

Setup is a breeze with full smart phone configuration. Utilizing Bluetooth capability, allowing on the fly adjustments with zero hassle.

Features

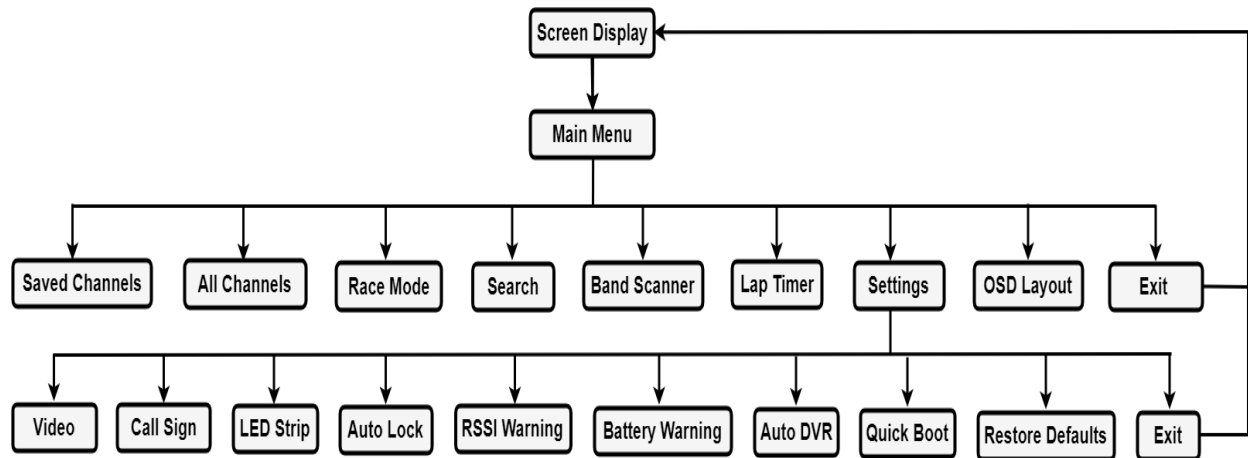
- Wide Input Voltage Range from 2S-4S Lipo (7.4 – 16.8 Vol)
- Improve RSSI Algorithm
- Improve DVR Image Quality
- Compact & Easy to use
- Built-In Tripod Mount
- Built-In Warning Buzzer
- Dual AV Output Ports
- External Outputs for HDMI & DVR
- Integrated OSD with Real Time RSSI Signal Strength
- Ultra Simplified Setup via Bluetooth Smartphone Compatibility
- Requires True-D Hardware V3.0 or Higher, Firmware 3.7D or Higher

Product Layout

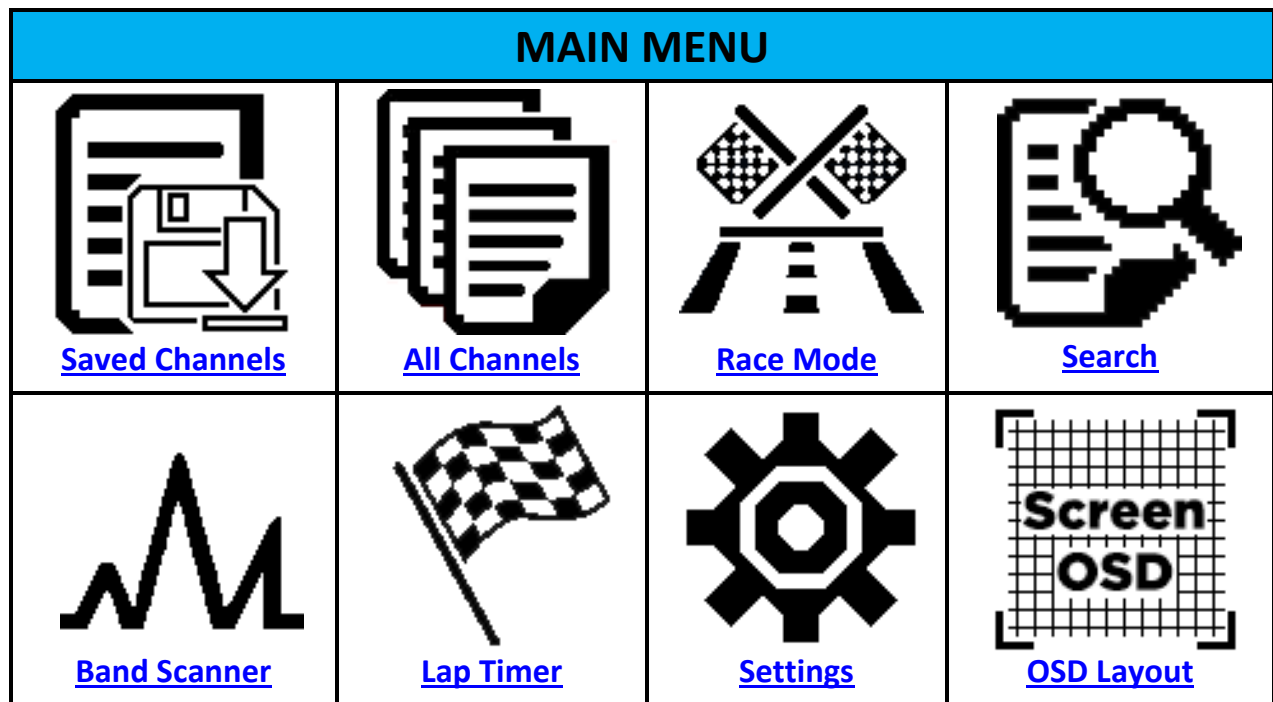


Usage

The Furious DOCK-KING's diagram:



***Note:** Click on the [Blue Underline Texts](#) to move to tab that you want to refer

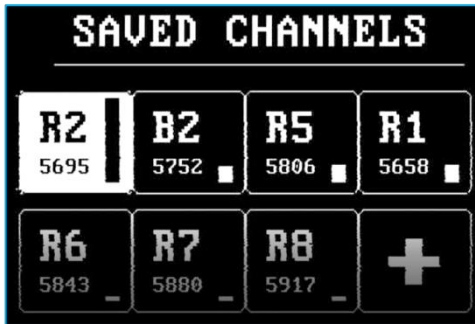


***Note:**

- While in setting if no button is pressed , the screen will auto exit to "Screen Display" interface after 15 seconds
- At the Main Menu, Click **Up/Down** button or choose "Exit" icon to exit to Screen Display

❖ Saved Channels

Show all bands, channel numbers saved. In this mode, press the **Enter** button about 2s and the pop-up will display **Change/Save/Delete/Move/Exit**. You can change channel, choose channel to start up for the next time and delete undesired channel. **The default Saved Channels are from R1 to R8 and a maximum of 8 channels saved**

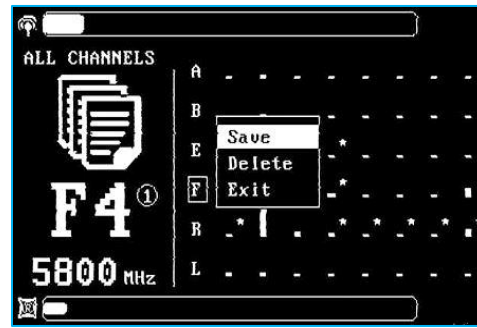
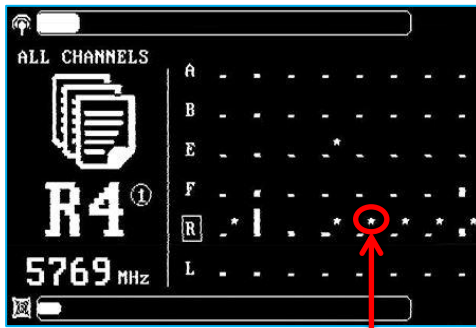


***Note:**

- Hold **Up/Down** button for 2s: Exit to Main Menu
- Click **Enter** button: Save channel and exit to Screen Display

❖ All Channels

Show all bands, channel numbers and frequencies that you can use. In this mode, press the **Enter** button about 2s and the pop-up will display **Save/Delete/Exit**. Also, you can save channel to start up for the next time or delete undesired channel



***: Saved Channels**

***Note:**

- Hold **Up/Down** button for 2s: Exit to Main Menu
- Click **Enter** button: Save channel and exit to Screen Display

❖ Race Mode

Quickly tune the frequencies and optimal for racing events. The options are as follows: 2CH, 4CH, 6CH, 8CH



1. Click **Enter** button to change channel in your Race Mode

***Note:**

- Hold **Up/Down** button for 2s: Exit to Race Mode
- Click **Enter** button: Save channel and exit to Screen Display

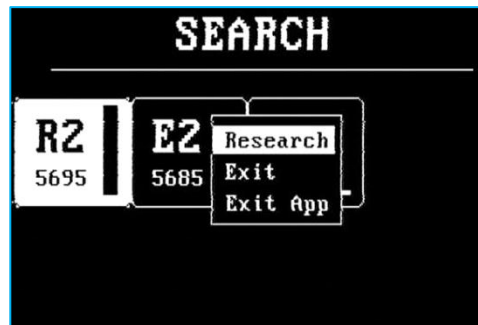


2. Hold **Enter** button to change the name of Race Mode and select the number of channel. Also, click **Enter** button to come back Race Mode



❖ Search

The Dock-King will automatically find and show all the detected channels with corresponding strength signal. When utilizing **SEARCH** feature the Dock-King will detect channels that have the closest frequency with your VTX transmission frequency and prioritize channels which you saved. Please make sure you select your exact channel



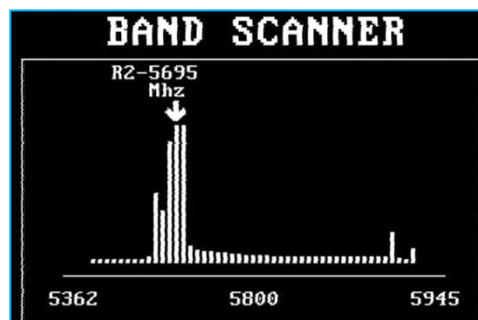
*Note:

- Hold **Up/Down** button for 2s: Exit to Main Menu
- Click **Enter** button: Save channel and exit to Screen Display
- Make sure your VTX is running normally. After Search, if you have a pop-up like the picture below, please follow the instruction



❖ Band Scanner

Utilize to determine current broadcast band, channels and frequencies with a powered video transmitter. Identify a potential channel, band, and frequency with low noise for optimal use. Quickly find a pilot/VTX for spectating, troubleshooting, and even locating your lost drone by observing strength signal.



***Note:**

- Click **Up/Down/left/right** button: Exit to Main menu
- Click **Enter** button: Pause Scanner

❖ **Lap Timer**

- Race Type:
 - Lap Count: Set target laps



- Fixed Time: Set time limit (Fixed: 29 Laps)



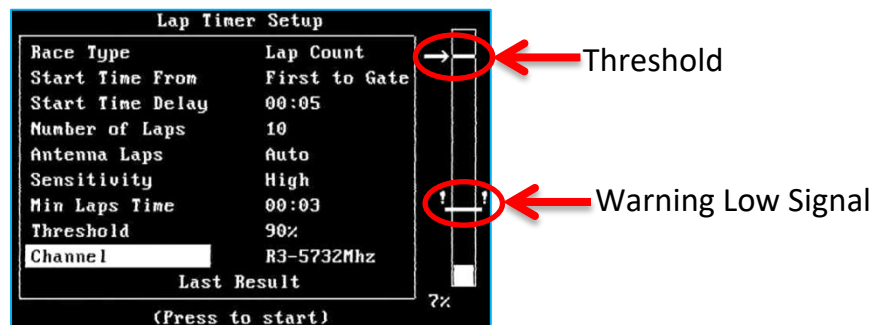
- Practice: For training purpose (Fixed: 29 Laps)



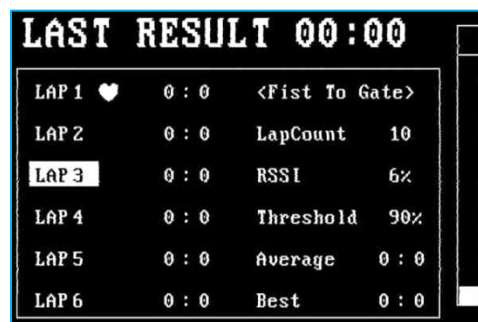
- Personal Lap Time Functionality



- Start Time From:
 - Start Tone: Race time starts at 0
 - First to Gate: Race time starts when passing the gate
- Start Time Delay: Delay time after pressing Start (From 4s to 120s)
- Number of Laps: Number of laps to race (From 1 to 30 Laps)
- Antenna Laps: Select desired antenna as anchor
- Sensitivities: Adjust for accurate detection
- Min laps Time: Minimum time required to complete one lap (From 3s to 120s)
- Threshold: Set minimum RSSI for detection
- Warning Low Signal: fixed warning level is 30%. If your signal is lower, you cannot use Personal Lap Time
- Channel: Set Band and Channel



- Last Result: review your result. To come back to Lap Timer, click **Left/Right/Enter** button

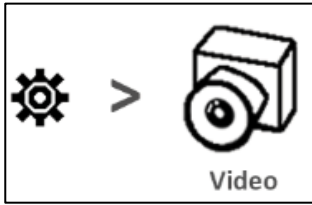


***Note:**

- Hold **Up/Down/Enter** button: Exit to Main Menu
- Click **Enter** button: Start Personal Lap Time Function

❖ **Settings**

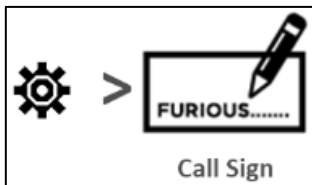
➤ **Video:**



Module will auto-detect or you can select video format that corresponds to your camera. The options are as follows: **Auto**, **PAL** and **NTSC**

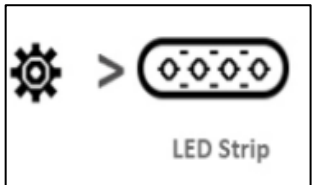
Recommend: it's best to select your camera video format correctly

➤ **Call Sign:**



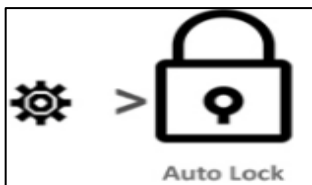
Configure your **call sign/pilot name** or **text** to be displayed on your Dock-King. You may utilize up to 10 alphanumeric characters and symbols

➤ **Led Strip:**



Led Strip will display RSSI level. If you turn ON, you can select color for **TOP/BOT Antenna Color** and adjust brightness according to your preference

➤ **Auto Lock:**



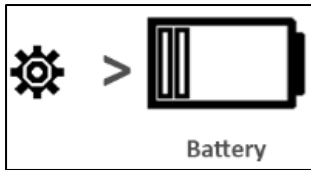
To install **ON/OFF** in the setting menu. If you choose **“ON”** and exit to Screen Display. After 10 seconds, Screen will auto-lock and cannot set up by button. If you choose **“OFF”** mode, the screen will display normally without auto-lock. One other way , at the Screen Display, hold **Enter** button for about 2s and you can **Lock** and **Unlock** after press **Enter** button once again.

➤ **RSSI Warning:**



Buzzer will warn at the configured low signal level. The options are as follows: **None**, **20%**, **35%** and **50%**. If a low signal is detected on antenna A, the buzzer will single beep and if a low signal is detected on antenna B the buzzer will dual beep

➤ **Battery Warning:**



Buzzer will warn at the configured low battery level. The options are as follows: **None, 3.5V, 3.8V and 4.0V**

➤ **Auto DVR:**



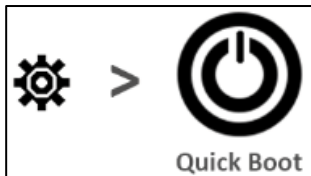
There are two options:

- **ON:** Auto record when Dock-King has video signal
- **OFF:** Record by button. When at Screen Display, press and hold **Enter** button for 3s to start recording video and do the same to stop recording video.

Note: Only use this function when have External DVR Module and your Micro SD Card requires:

- + Speed Class: **Class 10/Lower**
- + Capacity: **16 GB/Lower**

➤ **Quick Boot:**



Module will start up without boot Logo. You can turn **ON** or **OFF**

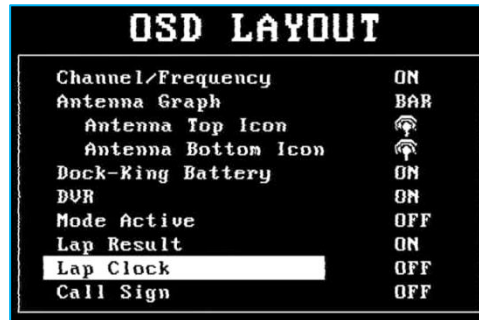
➤ **Restore Defaults:**



Module will return your setup to the original default when holding Enter button for about 2s

❖ OSD Layout

- Turn ON/OFF icons on Screen Display for **Channel/Frequency; Antenna Graph; Dock-King Battery; DVR; Mode Active; Lap result; Lap Clock; Call Sign; Warning**
- Select icons display for Antenna Graph: **None/Simple/Bar/Graph**







***Note:** Hold **Up/Down/Enter** button to come back Main Menu

- To adjust the position of icons on the Screen Display, Click **Enter** button then you can adjust the icon to your desired position. Click **Enter** button again to come back to OSD Layout



Trouble Shooting

Issue	Possible Cause(P)/Solutions(S)
	<p>P: Non-Connection between True-D and Dock-King OR Firmware is not compatible</p> <p>S: Check connection and Firmware True-D (Version for Dock-King)</p>
	<p>P: VTX doesn't turn on or has problem with VTX</p> <p>S: Check VTX and move it close to the Dock-King</p>
	<p>P: AV cable is loose which lead to 2 devices disconnecting or connection between True-D and Dock-King is not good. Another reason is a correct standard AV cable is not used (3 pin instead of 4 pin)</p> <p>S: Check AV cable and connection between True-D and Dock-King</p>
	<p>P: Firmware for True-D is not correct</p> <p>S: Check Firmware True-D then you have to flash Firmware True-D version for Dock-King</p>

Support

The reseller you purchased your product from handles the first line of support. If you encounter any problems with your Furious FPV products, please contact them first on issues involving equipment from other brands and general support for Furious FPV products.

Please contact us if you need further assistance:

Tech support: tech@furiousfpv.com

Sales support: sales@furiousfpv.com



Thanks for using our product