



WRAITH ARS 2X

POLICE RADAR AND PLATE READER



Operator's Manual

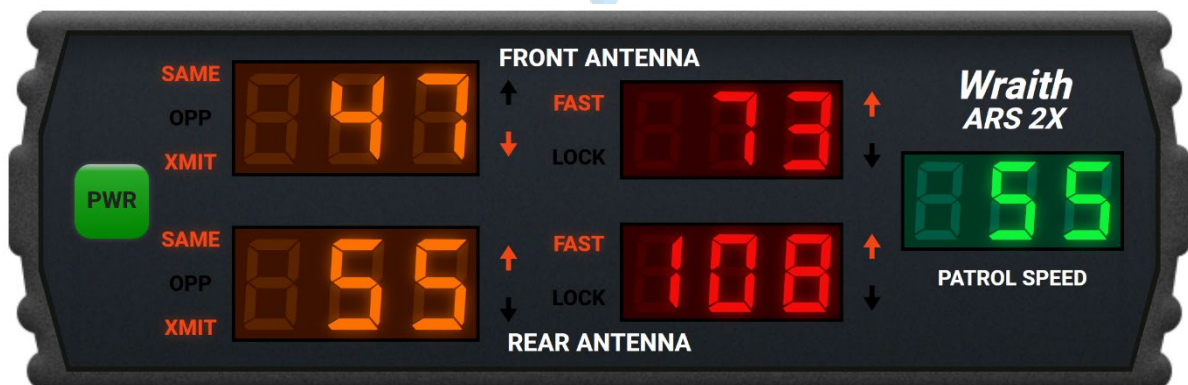
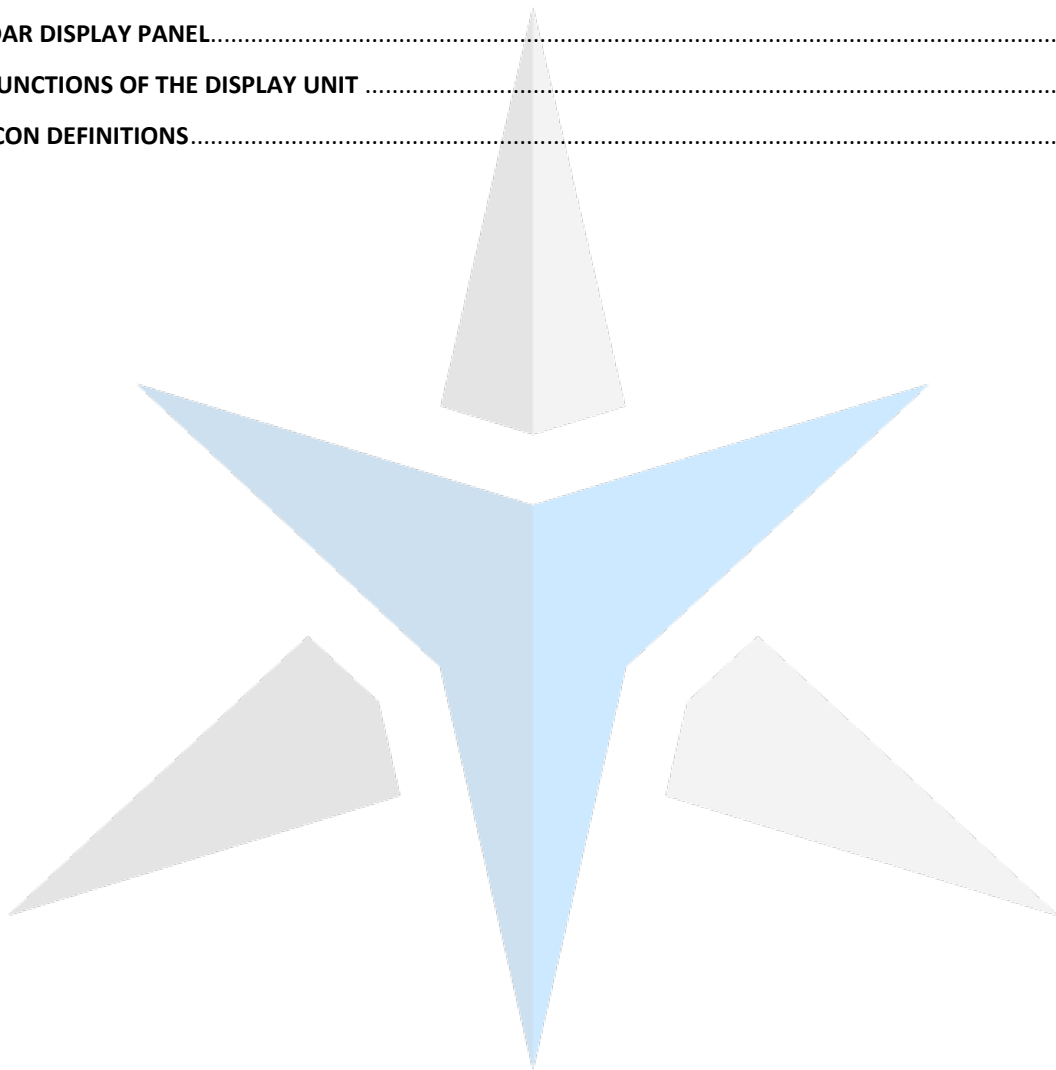


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INTRODUCTION

The **Wraith ARS 2X** (Wraith Advanced Radar System) is a realistic police radar that takes heavy inspiration from the real Stalker DSR 2X radar system. It includes a plethora of features from the DSR 2X such as the new operator menu, to improve the realism and experience whilst using the newest instalment from the collection of Wraith radar systems. Previously with WraithRS, vehicle speeds were only displayed in the target window, with no priority to certain vehicles (such as large and slower vehicles, or smaller and faster vehicles). The **Wraith ARS 2X** tracks both large and faster, smaller targets and displays the speeds of both in the target windows, meaning the radar can track 4 different speeds with both antennas turned on and transmitting. At the press of a button, the operator can engage 'key lock' that prevents any of the key binds from working, helping to eliminate control conflicts. The system also has a plate reader built in that scans front and rear plates.

HOW THE RADAR SYSTEM WORKS

When the radar display is enabled and either/both antennas are transmitting, the system sends out a signal that acquires the speed and direction of travel from vehicles in the radar's line of sight. All the collected data is then sent to the radar's processing core that calculates which vehicle speed needs to be displayed in which box, the direction a vehicle is going relevant to the operator's vehicle is also displayed next to the target windows. As the new system splits up larger and smaller but faster vehicles, the operator can more easily distinguish which vehicle in their view is being displayed on the radar's interface.

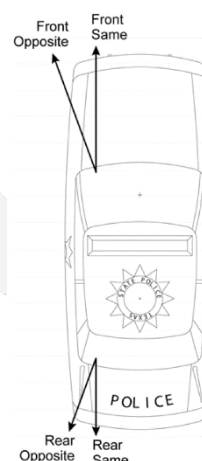
TARGET ZONES

Throughout this manual there are multiple references to the different areas of traffic that the radar system monitors, they are known as target zones. The **Wraith ARS 2X** can monitor up to two zones at a time whilst both antennas are transmitting. The four target zones are:

- Front Same
- Front Opposite
- Rear Same
- Rear Opposite

Due to the way that the radar system works, it treats the opposite target zones like lanes instead of a diagonal signal being emitted from the antennas.

As of the current version of the radar system (beta4), only two target zones can be monitored, in a future update, the system will be able to monitor four target zones up to the operator's discretion.



DEFAULT KEY BINDS

Below are a list of the default key binds that come with the ***Wraith ARS 2X***, please note, these can easily be changed by the administrators/developers who install this resource on their server. The key binds listed below may not work for you, if this is the case, then please contact the appropriate members of the server you are playing on for more information.

Action	Key
Open remote	F5
Close remote	ESC or right mouse button
Lock front antenna	Numpad 8
Lock rear antenna	Numpad 5
Lock front plate	Numpad 9
Lock rear plate	Numpad 6
Toggle keylock	K

Although most of the actions listed above are self-explanatory, the keylock action may not be. When the operator presses the key bind to toggle the keylock, all the radar's key binds cease to work until the operator toggles the keylock again. This functionality is like the keylock found in Lt. Caine's ELS.

STARTING THE SYSTEM

At first glance, the ***Wraith ARS 2X*** may seem quite daunting, but the system itself is in fact quite simple. Below are the steps which the operator should take to get the radar system and the antennas up and running.

1. Press the key to open the remote (default: F5)
2. Click the button at the top labelled "Toggle Display"
3. The radar interface should now be displayed, click the button on the radar labelled "PWR"
4. With the remote still open, click the button labelled "XMIT" for one or both antennas
5. Now that the antennas are in transmit mode, click the "SAME" or "OPP" button for one or both antennas

Following these steps will result in the radar system becoming operational and the antennas detecting vehicle speeds.

OPERATOR MENU

The **Wraith ARS 2X** features an operator menu that allows for configuration of a variety of settings for the radar system. To access the operator menu, the remote control and radar interface must be displayed, press the MENU button on the remote to access the menu. Subsequent presses of the MENU button step through the other options available within the menu. To change the value of one of the currently displayed settings, you must use the buttons on the remote with the arrows.

		FEATURE Iterate by pressing MENU button	SETTINGS Change using the ↓ and ↑ buttons
Menu position	Description	Fast Window	Patrol Window (bold is factory default)
1	Fast speed display On/Off	<i>FAS</i>	<u>On</u> /OFF
2	Same Lane sensitivity	<i>SL SEN</i>	1, 2, <u>3</u> , 4, 5
3	Opposite Lane sensitivity	<i>OP SEN</i>	1, 2, <u>3</u> , 4, 5
4	Beep volume	<i>bEE P</i>	OFF, 1, 2, 3, 4, <u>5</u>
5	Voice annunciator volume	<i>VOI CE</i>	OFF, 1, 2, 3, 4, <u>5</u>
6	Units display	<i>Un t ES</i>	<u>USA</u> , <i>INT</i>
7 (only displayed if enabled in config)	Fast limit locking	<i>FAS Loc</i>	<u>On</u> /OFF
8 (only displayed if enabled in config)	Fast speed limit for locking	<i>FAS SPd</i>	5-200, default: <u>60</u>