

# Euroscope Setup - Bremen FIR (EDWW)

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# Installation Euroscope Package

## Recommended Euroscope Version

The current Euroscope Package of Bremen FIR is tested with **Euroscope version 3.2.3.2**. You may use an other version at your own risk. You can download **Euroscope Version 3.2.3.2** here: <https://euroscope.hu/install/EuroScopeSetup.3.2.3.2.msi>

## Available Packages

Currently, the following Packages are provided for controlling at Bremen FIR:

- **EDWW FIR Package:** Full Download of all settings and plugins as well as current sectorfile.
- **EDWW FIR Package-Update:** Same as the normal package, but excluding local Topsky files such as CPDLC login code and SettingsLocal files. This package is recommended when updating from an older package version to a newer version.
- **EDWW AIRAC:** Only contains the current sectorfile for personal euroscope packages

All official packages can be downloaded here: <https://files.aero-nav.com/edww>

There is no download via Euroscope available. When updating, overwrite all existing files in your EDWW Euroscope directory.

## Update Information

Whenever the current package is updated, it will be announced on the Vatsim Germany Forums: <https://board.vatsim-germany.org/threads/airac-news.71284/>

We recommend subscribing to this forum topic to not miss any important announcements!

# Plugins and Functions

## Topsky Plugin

Currently used Version in Package: v2.5b15

This plugin simulates a real-life ATC system, called Topsky. It adds a huge amount of functionalities to Euroscope, creating a completely new way of controlling aircraft on the Vatsim Network. It is strongly recommended to read through the Topsky documentation before controlling. Detailed manuals of the plugin can be found in the plugin folder of the EDWW FIR Euroscope package. This page will only cover package-specific settings:

### Area Activation/Airspace Management

The Airspace Management window will show up as soon as you start Euroscope (EDWW, EDYY, EDUU only). This is necessary to ensure that all restricted airspaces load up correctly. Restricted airspaces can activate time-based, based on real-world booking schedules (AUP) or when activated by a member of the EDWW Nav Team. Besides that, the virtual controller can adjust any area locally as well.

TRAs and VPAs will only activate automatically when actually booked or used on the Vatsim network. In this case, a member of the EDWW Nav team will activate the booked areas ( <https://github.com/VATGER-Nav/EDWW-Area-Activation>). Usually, the virtual controller will be informed if areas are booked in this thread of the Vatsim Germany Forums: <https://board.vatsim-germany.org/threads/area-booking-vatger.67465/>. In this case, the virtual controller must activate the "Remote" activation function in the Airspace Management Window.

All other ED-Rs will activate according to the German AIP and AUP.

The Airspace Management Window will also appear when connecting to the Vatsim Network. In all cases, the virtual controller may close the window, as it is usually not required during controlling sessions.

| Airspace Management |                           |            |            |          |          |    |  |
|---------------------|---------------------------|------------|------------|----------|----------|----|--|
| Start Date/Time     |                           |            |            |          |          |    |  |
| Name                | Map Text                  | Start Date | Start Time | End Date | End Time | Lo |  |
| EDR30               | Ehra-Lessien (ED-R 30)    | 240425     | 04:30      | 240425   | 17:00    |    |  |
| EDR54               | Lehnin (ED-R 54)          | 240425     | 05:00      | 240425   | 16:00    |    |  |
| EDR55               | Storkow (ED-R 55)         | 240425     | 05:00      | 240425   | 16:30    |    |  |
| EDR56               | Kummersdorf-Gut (ED-R 56) | 240425     | 05:00      | 240425   | 22:00    |    |  |
| EDR33A              | Unterlues (ED-R 33A)      | 240425     | 06:00      | 240425   | 21:00    |    |  |
| EDR33B              | Unterlues (ED-R 33B)      | 240425     | 06:00      | 240425   | 21:00    |    |  |
| EDR37A              | Nordhorn (ED-R 37A)       | 240425     | 12:00      | 240425   | 21:30    |    |  |
| EDR37B              | Nordhorn (ED-R 37B)       | 240425     | 12:00      | 240425   | 21:30    |    |  |

## CPDLC/DCL (Datalink)

Topsky adds Datalink functions such as CPDLC and DCL. CPDLC shall only be used when covering EDYY or EDUU sectors. DCL is available at EDDDB, EDDH and EDDV only.

It is recommended to save your Hoppie Code in the TopSkyCPDLChoppieCode.txt which can be found in the Topsky plugin folder of the EDWW FIR Euroscope Package. This file will not be overridden when updating our package using the Update Download from AeroNav.

## Topsky Local Settings

It is possible to adjust all Topsky settings to your personal preferences. We prepared some useful settings in the TopskySettingsLocal.txt file which can be found in the Topsky directory of the package. This file includes settings like colour settings, radio direction finder and scaling options.

It is also possible to adjust every other Topsky setting. Whenever changing Topsky settings, we recommend saving them in the local settings file, as local settings will not get overridden when updating your packing by using the "Update Package" download. Local Settings always take priority.

## Topsky Track Control

For some label/tag items, it is possible to define certain visibility settings. This creates the possibility to configure your tag/label according to your personal preferences. The track control menu can be opened by right-clicking on the Topsky Menu bar and then "Track Control..." > "Unselected Label Fields":

Track Control

Vector

0

History

5

Text

1

▼ Unselected Label Fields

| Co                                  | Ass                                 | Red                                 | No                       | All                                 |       |
|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------|
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | SQ    |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | ATYP  |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | WTC   |
|                                     |                                     |                                     |                          | <input type="checkbox"/>            | N     |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | GS    |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | ADES  |
| <input type="checkbox"/>            |                                     |                                     |                          | <input type="checkbox"/>            | COPN  |
|                                     | <input type="checkbox"/>            | <input type="checkbox"/>            |                          | <input type="checkbox"/>            | COPX  |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | NRAC  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                          | <input type="checkbox"/>            | XFL   |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |                          | <input type="checkbox"/>            | AHDG  |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |                          | <input checked="" type="checkbox"/> | ASP   |
| <input checked="" type="checkbox"/> |                                     |                                     |                          | <input checked="" type="checkbox"/> | PEL   |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | TSSR  |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            |                          | <input type="checkbox"/>            | RFL   |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | NPT   |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | FCOPX |
| <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/>            | TOG   |

▲ Unselected Label DAPs Fields

▲ Selected Label DAPs Fields

Currently, only the EDUU tag/label can be customized fully. All other labels/tags might not support Topsky's track control.

## Predicted Traffic Window

The predicted traffic window helps the virtual controller to better foresee the peak times of sectors. This window will appear as soon as you connect to the Vatsim network. The virtual controller then needs to enter the SI code for the desired sector (e.g. Müritz = MRZ).

Link to plugin: <https://vatsim-scandinavia.org/forums/topic/4678-topsky-plugin-25-beta-7/>

## Ground Radar Plugin (GRP)

Currently used Version in Package: v1.5

This plugin simulates a real-life Groundradar Display (SAAB A3000 A-SMGCS) by adding custom tags/labels, lists, maps and many other features and warnings. A detailed manual of the plugin can be found in the plugin folder of the EDWW FIR euroscope package. Here are some of the most important features and functions:

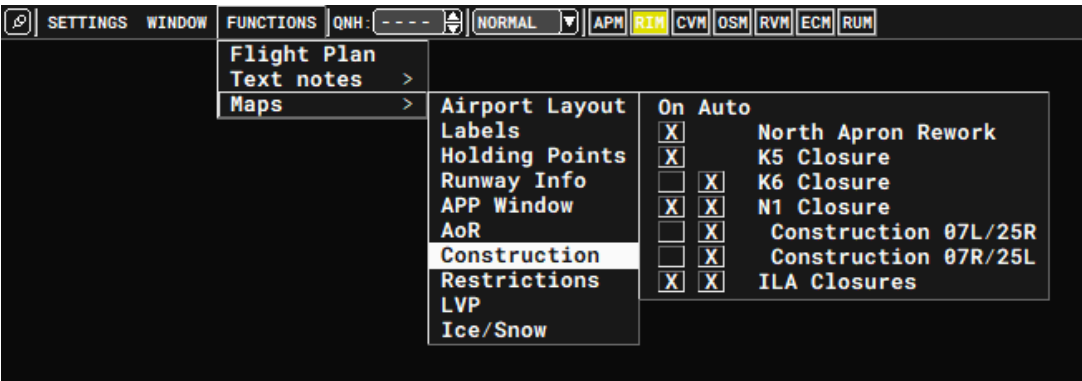
## Menu Bar

The menu bar holds all the customizable options of the Ground Radar Plugin. Besides the various warnings and sub-menus, the QNH and LVP modes be seen in the menu bar. Whenever LVP conditions exist, the virtual controller shall activate the LVP mode to toggle maps (e.g. CAT II/III holding points) and LVP warnings.



## Airport Maps

Airport maps can be toggled on manually or automatically. This adds the possibility to add certain NOTAM maps or other useful information for the virtual controller. All maps may vary depending on the airport/Ground ASR used. You can activate or deactivate maps by clicking on "Functions" then "Maps" in the Ground Radar Plugin Menu Bar:



## Second Ground Radar Window

It is possible to open a second ground radar display to observe specific areas of the ground radar more closely. The second ground radar window can be opened by clicking on "Window" then "2nd":



# Approach Window

An approach window can be opened to observe approaching and departing aircraft as well as aircraft within the CTR. The approach window can be opened by clicking on "Window" then "APP". Note, that the approach window of GRP shall not replace the TWR radar screen/ASR.

## Labels

At most airports, the ground radar labels/tags will only be displayed when departing aircraft are assigned a ground state. For arriving aircraft, the ground radar label/tag can be hidden by setting the parking ground state.

## Stand assignment

The ground radar plugin is capable of assigning arrival stands based on aerodrome restrictions and company policies. We strongly recommend using the stands assigned by the ground radar plugin. The assigned stands are visible the the aircraft's tag and in the arrival list.

Link to plugin: <https://vatsim-scandinavia.org/forums/topic/3462-ground-radar-plugin-15/>

# vSID Plugin

Currently used Version in Package: v0.11.1

This plugin will automatically assign a departure runway and SID based on SOP regulations and the aircraft's equipment.

Further information about the usage of the plugin: <https://knowledgebase.vatsim-germany.org/books/vsid-plugin/page/vsid-controller-manual>

Plugin commands for EDDB and EDDV are available.

# CDM Plugin

Currently used Version in Package: v2.2.4

This plugin adds the possibility to control departure flows by calculating startup and departure times. It can only be used in the Tower profiles (PHX). The CDM plugin is only configured for EDDB and EDDH, as those are the only two airports having the A-CDM process implemented in real life.



Further information about the usage of the plugin: <https://dms.vatsim-germany.org/s/odw629qZk5WezPi>

Link to plugin: <https://github.com/rpuig2001/CDM>

# Squawk Message/Warning

Currently used Version in Package: v1.0.1

Created by Vatsim member Pol Eyschen, this plugin displays a message/indicator in the aircraft's labels when squawking a specific transponder code.

The following indications are available in the EDWW FIR package:

| Indication | Squawks                | Description  |
|------------|------------------------|--|
| NDSSR      | 1200, 2000, 2200, 0000 | Displayed whenever a non-discrete squawk code is used.                   |
| V          | 7000                   | Used by uncontrolled VFR aircraft (Squawk VFR)                           |
| RESCU      | 0020                   | Used by rescue helicopters   |
| FOTO       | 0021                   | Used during areal photo flights  |
| BPO        | 0023                   | Used by the federal police   |
| TFFN       | 0024                   | Used by flight within the Night Low Flying System with terrain following |
| PJE        | 0025                   | Used by flights performing Parachute Jumping Exercises (PJE)             |
| POLNL      | 0026                   | Used by the police of The Netherlands                                    |
| ACRO       | 0027                   | Used by acrobatic flights  |
| CAL        | 0030                   | Used by calibration flights  |
| OPSKY      | 0031                   | Used by "Open Skies" flights   |
| VM         | 0033                   | Used by uncontrolled military VFR aircraft (Squawk military VFR)         |
| SAR        | 0034                   | Used for aircraft on Search and rescue missions                          |

|       |                                     |   |
|-------|-------------------------------------|---|
| AIRCL | 0035                                | Used for aircraft switching flight rules  |
| POL   | 0036                                | Used by police flights  |
| BIV   | 0037                                | Used by police flights using night vision systems                                     |
| FDF   | 4450                                | Used of FIS Region/Sector Frankfurt (DF)  |
| FDR   | 4451                                | Used of FIS Region/Sector Saarbrücken (DR)  |
| FDS   | 4452                                | Used of FIS Region/Sector Stuttgart (DS)  |
| FDM   | 4453                                | Used of FIS Region/Sector München (DM)  |
| FDO   | 4454                                | Used of FIS Region/Sector München Overload (DO)                                       |
| TMZ   | 4471, 4472, 4476, 4477, 4660, 4676, | Used for flights within TMZ (check location regulations for correct transponder code) |
| CHX4  | 4473                                | Used by rescue helicopter Christoph 4 (CHX4)  |
| BALL  | 4474                                | Used by balloon flights inside EDDV CTR   |
| UAS   | 4475                                | Used by unmanned aircraft inside EDDH, EDDV and EDDW CTR                              |
| LIB   | 4670                                | Used by police helicopters "Libelle 1" (LIB1) and "Libelle 2" (LIB2)                  |
| VDH   | 4672                                | Used by Hamburg Tower (EDDH) for VFR flights inside CTR                               |
| SSF   | 4673                                | TBC   |
| EDHI  | 4675                                | Used by Finkenwerder Tower (EDHI) for VFR flights                                     |
| HL    | 4675                                | Used by Lübeck Tower (EDHL) for VFR flights   |
| VOUT  | 7001                                | Used for VFR traffic leaving the CTR  |
| VIN   | 7002                                | Used for VFR traffic entering the CTR   |
| HELI  | 7003                                | Used for helicopters inside the CTR   |
| TWR   | 7004-7067                           | Used for VFR traffic inside the CTR   |

|     |      |   |
|-----|------|---|
| SAR | 7377 | Used by rescue helicopter Christoph 31 (CHX31)  |
| FDH | 7740 | Used of FIS Region/Sector Hamburg (DH)          |
| FDB | 7741 | Used of FIS Region/Sector Berlin (DB)           |
| FDL | 7742 | Used of FIS Region/Sector Düsseldorf (DL)       |
| FDV | 7743 | Used of FIS Region/Sector Hannover (DV)         |
| FDC | 7744 | Used of FIS Region/Sector Dresden (DC)          |
| FSW | 7745 | Used of FIS Region/Sector Hamburg Overload (SW) |

Link to plugin: not available

## Arrival Manager (AMAN)

Currently used Version in Package: v3.2.0

This plugin displays every arrival to a certain airport or fix along a timeline thus enhancing the general overview for pre-planning and capacity/load management. The Arrival Manager is not able to actively pre-sequence traffic.

By default, the plugin is not loaded as only EDDB and EDDH are supported aerodromes. The Arrival Manager can be opened by entering ".aman open" in Euroscope's text line. Thereafter, the controller has to select the desired runway config in the top left of the AMAN menu. AMAN functions as a new Euroscope instance thus enabling it to be moved to another screen. You can close the AMAN in your taskbar.

Link to plugin: <https://github.com/EvenAR/euroscope-aman>

## IASsure

Currently used Version in Package: v1.5.0

This plugin enables you to directly see the current indicated airspeed and Mach number in the aircraft's label. Natively, Euroscope and Vatsim do not provide such information. All IAS and Mach values are based on calculations, which may become incorrect when pilots are not flying with real-world and live weather data. Still, this plugin supports the virtual controller immensely.

Link to plugin: <https://github.com/MorpheusXAUT/IASsure>

## CCAMS (Centralised code assignment and management system)

Currently used Version in Package: v2.4.0

This plugin coordinates all squawk assignments on Vatsim on a centralized server. Therefore, the chance of issuing duplicated squawks is reduced significantly. Furthermore, the plugin supports the assignment of squawk code 1000 taking into account all required Mode-S rules.

Link to plugin: <https://github.com/kusterjs/CCAMS>

## VCH (Virtual Controller Helper)

Currently used Version in Package: v0.8.4

This plugin supports the controller by adding a reminder function to Euroscope. In the Departure and Startup lists, the virtual controller may select for which type of clearance a pilot is standing by. This enhances overall situational awareness and provides a better overview. Also, this plugin adds a "Cleared to Land Indicator" (CTL) which can be toggled in the aircraft's label by clicking on the actual flight level (AFL).

Note: All indicators and settings are not synchronized with neighbouring controllers.

Link to plugin: <https://github.com/DrFreas/VCH>

# Tags Explanation

## EDWW - Bremen Radar Profile

### Colors EDWW

| Color | State                         | Meaning   |
|-------|-------------------------------|---|
|       | Assumed<br>Transfer initiated | Track is assumed<br>Track is being transferred to the next controller   |
|       | Notified<br>Coordinated       | Track will enter the active sector (> 15 min)<br>Track will enter the active sector (< 15 min)                                |
|       | Unconcerned<br>Redundant      | Track will not enter active sector<br>Track has been transferred to the next controller but is still inside the active sector |
|       | Urgency                       | STCA-, MTCD-Alerts, Equipment-Warnings  |
|       | Warning                       | Risk, APW, not confirmed<br>STAR/SID/RWY  |
|       | Information                   |   |
|       | Proposition in/out            | Outgoing or incoming coordination requests  |
|       | Proposition accepted          | Accepted coordination requests  |

### Label EDWW

Untagged Label

CALLSIGN GS

AFL ↓ CRC

| Item     | Name                           | Description  |
|----------|--------------------------------|--|
| CALLSIGN | Callsign                       | --   |
| GS       | Groundspeed                    | --   |
| AFL      | Actual Flight Level            | --   |
| ↓        | Descent/Climb Indicator        | Only shown when the aircraft is climbing or descending |
| CRC      | Computed Rate of Climb/Descent | Only shown when the aircraft is climbing or descending |

Tagged Label

WARNINGS SQI CTL

CALLSIGN WTC GS

AFL ↓ CRC CFL RFL

ADES PEL XFL COP AHDG ASP DMACH DIAS

| Item     | Name                      | Description  |
|----------|---------------------------|--|
| WARNINGS | Warnings                  | Any form of Topsky Warnings (e.g. APW, MTCD, STCA, CLAM, RAM)            |
| SQI      | Squawk Indicator          | Decodes SQUAWK into an abbreviation to indicate certain flight movements |
| CTL      | Cleared to Land Indicator | Only shown when toggled (right-click on AFL in detailed tag)             |
| CALLSIGN | Callsign                  |  |
| WTC      | Wake-Turbulence Category  | Only shown when WTC is not Medium  |
| GS       | Groundspeed               |  |
| AFL      | Actual Flight Level       | --   |
| ↓        | Descent/Climb Indicator   | Only shown when the aircraft is climbing or descending                   |

|       |                                |  |
|-------|--------------------------------|--|
| CRC   | Computed Rate of Climb/Descent | Only shown when the aircraft is climbing or descending   |
| CFL   | Cleared Flight Level           | Only shown when CFL does not match AFL   |
| RFL   | Requested Final Level          | Only shown when changed by the previous sector   |
| ADES  | Destination Aerodrome          | Only shown when toggled in the detailed tag  |
| PEL   | Planned Entry Level            | Only shown during coordination   |
| XFL   | Planned Exit Level             | Only shown during coordination   |
| COP   | Coordination Point             | Only shown during coordination   |
| AHDG  | Assigned Heading               | Only shown during coordination   |
| ASP   | Assigned Speed                 | Only shown when assigned   |
| DMACH | Downloaded MACH                | Actual MACH of the aircraft is flying (based on calculations), only shown when toggled in the detailed tag |
| DIAS  | Downloaded IAS                 | Actual IAS of the aircraft is flying (based on calculations)   |

Detailed Label

**WARNINGS** **SQI** **CTL**  
**CALLSIGN** **WTC** **FR** **SSR** **SI** **GS**  
**AFL** **↓CRC** **CFL** **ARC** **XFL** **RFL**  
**ADES** **COP** **AHDG** **TRACK** **ATYP** **ASP**  
**AHDG** **STAR** **ARWY** **STAND** **DIAS** **DMACH** **RMK**

| Item     | Name             | Meaning  | Left-Click | Right-Click |
|----------|------------------|--|------------|-------------|
| WARNINGS | Warnings         | Any form of Topsky Warnings (e.g. APW, MTCD, STCA, CLAM, RAM)            |            |             |
| SQI      | Squawk Indicator | Decodes SQUAWK into an abbreviation to indicate certain flight movements |            |             |

|          |                                |  |                           |                             |
|----------|--------------------------------|--|---------------------------|-----------------------------|
| CTL      | Cleared to Land Indicator      | Only shown when toggled (right-click on AFL in detailed tag)   |                           |                             |
| CALLSIGN | Callsign                       |  | Open Topsky Callsign Menu | Open Euroscope Handoff Menu |
| WTC      | Wake-Turbulence Category       |  |                           | Assume/Transfer             |
| FR       | Flight Rule Indicator          |  | Open Euroscope F-Plan     | Open Euroscope F-Plan       |
| SSR      | Transmitted SSR                | Transmitted Squawk Code  | Auto Assign Squawk        | Open Squawk Menu            |
| SI       | Sector Indicator               | IF assumed: shows next stations indicator / 3 minutes prior sector entry shows next frequency<br>All other states: Shows current unit that has track assumed | Open Next Controller Menu | Toggle SI/frequency         |
| GS       | Groundspeed                    |  |                           |                             |
| AFL      | Actual Flight Level            |  |                           | Toggle CTL Indicator        |
| ↓        | Descent/Climb Indicator        | Only shown when the aircraft is climbing or descending   |                           |                             |
| CRC      | Computed Rate of Climb/Descent | Only shown when the aircraft is climbing or descending   |                           |                             |
| CFL      | Cleared Flight Level           |  | Open Topsky CFL/PEL Menu  | Open Euroscope CFL Menu     |
| ARC      | Assigned Vertical Rate         |  | Open Topsky ARC Menu      | Open Euroscope ARC Menu     |
| XFL      | Planned Exit/Entry Level       | Prior sector entry: Planned Entry Level<br>When tracked: Planned Exit Level  | Open PEL/XFL Menu         | -                           |
| RFL      | Requested Final Level          |  | Open Topsky RFL Menu      | Open Euroscope RFL Menu     |



|       |                        |   |                                      |                          |
|-------|------------------------|---|--------------------------------------|--------------------------|
| ADES  | Destination Aerodrome  |   | Toggle ADES display for tagged label | Open Euroscope F-Plan    |
| COP   | Coordination Point     | IF assumed: shows exit COP<br>All other states: shows entry COP                       | Open Topsky Waypoint Menu            | Toggle Route Draw        |
| AHDG  | Assigned Headings      | Only shown during coordination  | Open Topsky AHDG Menu                | Open Topsky AHDG Menu    |
| TRACK | Current Magnetic Track |   | Open Topsky AHDG Menu                | Open Euroscope AHDG Menu |
| ATYP  | Aircraft Type          |   | Open Communications Menu             | Open Topsky F-Plan       |
| ASP   | Assigned Speed         |   | Open Topsky ASP Menu                 | Open Euroscope ASP Menu  |
| AHDG  | Assigned Headings      | Euroscope Heading Draw available  | Open Topsky AHDG Menu                | Open Euroscope AHDG Menu |
| STAR  | Planned Arrival Route  | Turns green when selected again --> confirmed   | Open Euroscope STAR Menu             | Open Euroscope STAR Menu |
| ARWY  | Planned Arrival Runway | Turns green when selected again --> confirmed   | Open Euroscope RWY Menu              | Open Euroscope RWY Menu  |
| STAND | Planned Arrival Stand  | Only shown when stand is assigned to aircraft   | Open GRP Stand Menu                  |                          |
| DIAS  | Downloaded IAS         | Actual IAS of the aircraft is flying (based on calculations)                          |                                      | Open GRP Stand Menu      |
| DMACH | Downloaded MACH        | Actual MACH of the aircraft is flying (based on calculations), only shown above FL245 |                                      | Toggle DMACH display     |
| RMK   | Scratchpad / Remarks   |   | Edit Scratchpad                      | Edit Scratchpad          |

# EDYY - Maastricht Radar Profile

## Colors EDYY

| Color | State                                | Meaning   |
|-------|--------------------------------------|---|
|       | Assumed<br>Transfer initiated        | Track is assumed<br>Track is being transferred to the next controller   |
|       | Notified<br>Coordinated<br>Redundant | Track will enter the active sector (> 15 min)<br>Track will enter the active sector (< 15 min)<br>Track has been transferred to the next controller but is still inside the active sector |
|       | Unconcerned                          | Track will not enter active sector  |
|       | Urgency<br>Warning                   | STCA-, MTCD-Alerts, Equipment-Warnings<br>Risk, APW   |
|       | Information                          |   |
|       | Proposition in/out                   | Outgoing or incoming coordination requests  |
|       | Proposition accepted                 | Accepted coordination requests  |

## Label EDYY

### Untagged Label

**AFL** ↓

| Item | Name                    | Description  |
|------|-------------------------|--|
| AFL  | Actual Flight Level     | --   |
| ↓    | Descent/Climb Indicator | Only shown when the aircraft is climbing or descending |

Tagged Label

**WARNINGS** RMK

**CALLSIGN** SI ATYP WTC

**AFL** ↓ CRC ARC CFL COP

**GS** ASP XFL ADES

DMACH DIAS DHDG

| Item     | Name                           | Description  |
|----------|--------------------------------|--|
| WARNINGS | Warnings                       | Any form of Topsky Warnings (e.g. APW, MTCD, STCA, CLAM, RAM)  |
| RMK      | Scratchpad / Remarks           | Only shown when text is in the scratchpad  |
| CALLSIGN | Callsign                       |  |
| SI       | Sector Indicator               | IF assumed: shows next stations indicator / 3 minutes prior sector entry shows next frequency<br>All other states: Shows current unit that has track assumed |
| ATYP     | Aircraft Type                  | Only shown when toggled in the detailed tag  |
| WTC      | Wake-Turbulence Category       | Only shown when WTC is not Medium or when toggled in the detailed tag  |
| AFL      | Actual Flight Level            |  |
| ↓        | Descent/Climb Indicator        | Only shown when the aircraft is climbing or descending   |
| CRC      | Computed Rate of Climb/Descent | Only shown when the aircraft is climbing or descending   |
| ARC      | Assigned Rate of Climb/Descent | Only shown when assigned   |
| CFL      | Cleared Flight Level           | Only shown when CFL does not match AFL<br>CFL = PEL when aircraft is prior sector entry  |
| COP      | Coordination Point             | Only shown during coordination   |
| GS       | Groundspeed                    |  |
| ASP      | Assigned Speed                 | Only shown when assigned   |

|       |                       |  |
|-------|-----------------------|--|
| XFL   | Planned Exit Level    | Only shown during coordination   |
| ADES  | Destination Aerodrome | Only shown when toggled in detailed tag (not assumed) or when the tag is assumed                           |
| DMACH | Downloaded MACH       | Actual MACH of the aircraft is flying (based on calculations), only shown when toggled in the detailed tag |
| DIAS  | Downloaded IAS        | Actual IAS of the aircraft is flying (based on calculations), only shown when toggled in the detailed tag  |
| DHDG  | Downloaded Heading    | Only shown when toggled in the detailed tag  |

## Detailed Tag

**WARNINGS** **RMK**

**CALLSIGN** **SSR** **SI** **ATYP** **WTC**

**AFL** **↓** **CRC** **ARC** **CFL** **XFL** **RFL**

**GS** **COP** **ASP** **ADES** **RMK**

**AHDG** **DMACH** **DIAS** **DHDG** **TRACK**

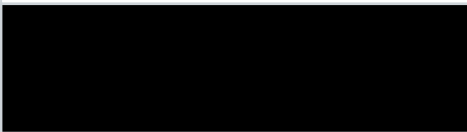






| Item     | Name                 | Meaning   | Left-Click                | Right-Click                 |
|----------|----------------------|---|---------------------------|-----------------------------|
| WARNINGS | Warnings             | Any form of Topsky Warnings (e.g. APW, MTCD, STCA, CLAM, RAM) |                           |                             |
| RMK      | Scratchpad / Remarks | Only shown when text is in the scratchpad                     | Edit Scratchpad           | Edit Scratchpad             |
| CALLSIGN | Callsign             |   | Open Topsky Callsign Menu | Open Euroscope Handoff Menu |
| SSR      | Transmitted SSR      | Transmitted Squawk Code                                       | Auto Assign Squawk        | Open Squawk Menu            |

|      |                                |  |                           |                          |
|------|--------------------------------|--|---------------------------|--------------------------|
| SI   | Sector Indicator               | IF assumed: shows next stations indicator / 3 minutes prior sector entry shows next frequency<br>All other states: Shows current unit that has track assumed | Open Next Controller Menu | Assume/Transfer          |
| ATYP | Aircraft Type                  |  | Edit Scratchpad           | Open Communications Menu |
| WTC  | Wake-Turbulence Category       |  | Open Squawk Menu          | Toggle WTC display       |
| AFL  | Actual Flight Level            |  | Open Topsky CFL menu      | Toggle Route Draw        |
| ↓    | Descent/Climb Indicator        | Only shown when the aircraft is climbing or descending   | Open Topsky ARC Menu      |                          |
| CRC  | Computed Rate of Climb/Descent | Only shown when the aircraft is climbing or descending   | Open Topsky ARC Menu      |                          |
| CFL  | Cleared Flight Level           |  | Open Topsky CFL Menu      | Open Euroscope CFL Menu  |
| ARC  | Assigned Rate of Climb/Descent |  | Open Topsky ARC Menu      |                          |
| XFL  | Planned Exit/Entry Level       | Prior sector entry: Planned Entry Level<br>When tracked: Planned Exit Level  | Open PEL/XFL Menu         | Open Topsky RFL Menu     |
| RFL  | Requested Final Level          |  | Open Topsky RFL Menu      | Open Euroscope RFL Menu  |
| GS   | Groundspeed                    |  | Open Topsky ASP Menu      | Toggle GS display        |
| COP  | Coordination Point             | IF assumed: shows exit COP<br>All other states: shows entry COP  | Open Topsky Waypoint Menu | Toggle Route Draw        |
| ASP  | Assigned Speed                 |  | Open Topsky ASP Menu      | Open Euroscope ASP Menu  |
| ADES | Destination Aerodrome          |  | Open Euroscope F-Plan     | Toggle ADES display      |
| RMK  | Scratchpad / Remarks           |  | Edit Scratchpad           |                          |

|       |                    |   |                       |                           |
|-------|--------------------|---|-----------------------|---------------------------|
| AHDG  | Assigned Heading   | Euroscope Heading Draw available  | Open Topsky AHDG Menu | Open Topsky Waypoint Menu |
| DMACH | Downloaded MACH    | Actual MACH of the aircraft is flying (based on calculations), only shown above FL245 |                       | Toggle DMACH display      |
| DIAS  | Downloaded IAS     | Actual IAS of the aircraft is flying (based on calculations)                          |                       | Toggle DIAS display       |
| DHDG  | Downloaded Heading |   |                       | Toggle DHDG display       |
| TRACK | Current True Track |   |                       |                           |

# EDUU - Rhein Radar Profile

## Colors EDUU

| Color  | State                         | Meaning  |
|--|-------------------------------|--|
|  | Assumed<br>Transfer initiated | Track is assumed<br>Track is being transferred to the next controller                          |
|  | Notified<br>Coordinated       | Track will enter the active sector (> 15 min)<br>Track will enter the active sector (< 15 min) |
|  | Redundant                     | Track has been transferred to the next controller but is still inside the active sector        |
|  | Unconcerned                   | Track will not enter active sector   |
|  | Urgency                       | STCA-, MTCD-Alerts, Equipment-Warnings   |
|  | Warning                       | Risk, APW, not confirmed STAR/SID/RWY  |
|  | Information                   |  |

|  |                      |  |
|--|----------------------|--|
|  | Proposition in/out   | Outgoing or incoming coordination requests |
|  | Proposition accepted | Accepted coordination requests             |

Label EDUU

Untagged Label

**CALLSIGN**

**AFL** ↓ **CRC**

**GS**

| Item     | Name                           | Description  |
|----------|--------------------------------|--|
| CALLSIGN | Callsign                       | --   |
| AFL      | Actual Flight Level            | --   |
| ↓        | Descent/Climb Indicator        | Only shown when the aircraft is climbing or descending |
| CRC      | Computed Rate of Climb/Descent | Only shown when the aircraft is climbing or descending |
| GS       | Groundspeed                    |  |

Tagged Label

**WARNINGS** **RMK**

**CALLSIGN** **SI** **ATYP** **WTC**

**AFL** ↓ **CRC** **ARC** **CFL** **COP**

**GS** **ASP** **NPT** **XFL** **ADES** **PEL**

**NSSR** **DIAS** **DMACH**

| Item | Name | Description |
|------|------|-------------|
|------|------|-------------|

|          |                                |  |
|----------|--------------------------------|--|
| WARNINGS | Warnings                       | Any form of Topsky Warnings (e.g. APW, MTCD, STCA, CLAM, RAM)  |
| RMK      | Scratchpad / Remarks           | Only shown when text is in the scratchpad  |
| CALLSIGN | Callsign                       |  |
| SI       | Sector Indicator               | IF assumed: shows next stations indicator / 3 minutes prior sector entry shows next frequency<br>All other states: Shows current unit that has track assumed |
| ATYP     | Aircraft Type                  | --   |
| WTC      | Wake-Turbulence Category       | Only shown when WTC is not Medium  |
| AFL      | Actual Flight Level            | --   |
| ↓        | Descent/Climb Indicator        | Only shown when the aircraft is climbing or descending   |
| CRC      | Computed Rate of Climb/Descent | Only shown when the aircraft is climbing or descending   |
| ARC      | Assigned Rate of Climb/Descent | Only shown when assigned   |
| CFL      | Cleared Flight Level           | Only shown when CFL does not match AFL   |
| COP      | Coordination Point             | Only shown during coordination   |
| GS       | Groundspeed                    |  |
| ASP      | Assigned Speed                 | Only shown when assigned   |
| NPT      | Next Waypoint                  |  |
| XFL      | Planned Exit Level             | Only shown when applicable   |
| ADES     | Destination Aerodrome          |  |
| PEL      | Planned Entry Level            | Only shown when applicable   |
| NSSR     | Assigned SSR Code              | Only shown if NSSR is not same as TSSR   |
| DIAS     | Downloaded IAS                 | Actual IAS of the aircraft is flying (based on calculations), only shown when toggled in the detailed tag  |
| DMACH    | Downloaded MACH                | Actual MACH of the aircraft is flying (based on calculations), only shown when toggled in the detailed tag   |

## Detailed Label



**WARNINGS** RMK

**CALLSIGN** SI ATYP WTC +

**AFL** ↓ CRC ARC CFL COP

**GS** ASP AHDG XFL ADES PEL

**NSSR DIAS DMACH DHDG TRACK**

| Item     | Name                     | Meaning  | Left-Click                | Right-Click                  |
|----------|--------------------------|--|---------------------------|------------------------------|
| WARNINGS | Warnings                 | Any form of Topsky Warnings (e.g. APW, MTCD, STCA, CLAM, RAM)  |                           |                              |
| RMK      | Scratchpad / Remarks     | Only shown when text is in the scratchpad  | Edit Scratchpad           | Edit Scratchpad              |
| CALLSIGN | Callsign                 |  | Open Topsky Callsign Menu | Toggle Route Draw            |
| SI       | Sector Indicator         | IF assumed: shows next stations indicator / 3 minutes prior sector entry shows next frequency<br>All other states: Shows current unit that has track assumed | Open Next Controller Menu | Assume/Transfer              |
| ATYP     | Aircraft Type            |  | Edit Scratchpad           | Open Communication Type Menu |
| WTC      | Wake-Turbulence Category |  | Toggle WTC highlight      | Auto Assign Squawk           |
| +        | Extended Label Marker    |  | Open Extended Label       |                              |
| AFL      | Actual Flight Level      |  | Open Topsky CFL Menu      | Open Topsky RFL Menu         |
| ↓        | Descent/Climb Indicator  | Only shown when the aircraft is climbing or descending   |                           |                              |

|       |                                |   |                           |                           |
|-------|--------------------------------|---|---------------------------|---------------------------|
| CRC   | Computed Rate of Climb/Descent | Only shown when the aircraft is climbing or descending                                | Open Topsky ARC Menu      | Clear ARC Value           |
| ARC   | Assigned Rate of Climb/Descent |   | Open Topsky ARC Menu      | Clear ARC Value           |
| CFL   | Cleared Flight Level           |   | Open Topsky CFL/PEL Menu  | Open Topsky ARC Menu      |
| COP   | Coordination Point             |   | Open Topsky Waypoint Menu | Toggle Route Draw         |
| GS    | Groundspeed                    |   | Open Topsky ASP Menu      | Clear ASP Value           |
| ASP   | Assigned Speed                 | Only shown when assigned  | Open Topsky ASP Menu      | Clear ASP Value           |
| AHDG  | Assigned Heading               |   | Open Topsky AHDG Menu     | Open Topsky Waypoint Menu |
| XFL   | Planned Exit Level             | Only shown when applicable  | Open Euroscope XFL Menu   | Open Topsky RFL Menu      |
| ADES  | Destination Aerodrome          |   | Open Topsky F-Plan        | Auto Assign Squawk        |
| PEL   | Planned Entry Level            | Only shown when applicable  | Open Euroscope PEL Menu   |                           |
| NSSR  | Assigned SSR Code              | Only shown if NSSR is not same as TSSR  |                           |                           |
| DIAS  | Downloaded IAS                 | Actual IAS of the aircraft is flying (based on calculations)                          | Toggle DIAS               | Toggle DIAS               |
| DMACH | Downloaded MACH                | Actual MACH of the aircraft is flying (based on calculations), only shown above FL245 | Toggle DMACH              | Toggle DMACH              |
| DHDG  | Downloaded Heading             |   |                           |                           |
| TRACK | True Ground Track              |   |                           |                           |

## Extended Label

**WARNINGS** **RMK**

**CALLSIGN** **SI** **ATYP** **WTC** **+**  
**AFL** **↓** **CRC** **ARC** **CFL** **COP**  
**GS** **ASP** **AHDG** **XFL** **ADES** **PEL**  
**NSSR** **DIAS** **DMACH** **DHDG** **TRACK**

**TSSR**  
**ADEP** **ADES** **ALTN** **RFL**  
**COMPANY** **C/S**

| Item        | Name                  | Meaning                 | Left-Click           | Right-Click             |
|-------------|-----------------------|-------------------------|----------------------|-------------------------|
| TSSR        | Transmitted SSR       | Transmitted Squawk Code | Auto Assign Squawk   | Open Topsky Squawk Menu |
| ADEP        | Departure Aerodrome   |                         |                      |                         |
| ADES        | Destination Aerodrome |                         |                      |                         |
| ALTN        | Alternate Aerodrome   |                         |                      |                         |
| RFL         | Requested Final Level |                         | Open Topsky RFL Menu |                         |
| COMPANY C/S | Company Callsign      |                         |                      |                         |

# Lists Explanation

This page explains the most commonly used Euroscope lists of the EDWW FIR Euroscope Package. All lists (except Sector List) can be activated by clicking on the "Quick SET" option of Euroscope.

Definitions in grey (see tables below) are not displayed by default but can be activated by clicking on the little "F" of each list. The same principle applies when deactivating columns which are displayed by default.

## Sector List



| C/S      | ATYP   | ADEP | ETN  | COPN  | PEL | ADES | ETX  | COPX  | XFL | CFL | RFL | DCT   | SI | STND |
|----------|--------|------|------|-------|-----|------|------|-------|-----|-----|-----|-------|----|------|
| LHA12AK  | A320/M | EDDM |      |       |     | EFHK | 0843 | BODLA | 320 | 320 | 320 | BODLA |    |      |
| WZZ44    | A320/M | EPKK |      |       |     | ENZV | 0845 | COPX  | 380 | 380 | 380 |       |    |      |
| LHA8601* | AT76/M | ESMS | 0840 | SALLO | 210 | EDDP | 0910 | SISGO | 160 | 210 | 210 |       |    |      |
| AUA562   | A320/M | LOWW | 0844 | COPN  | 300 | EKCH | 0907 | KOSEB | 200 | 300 | 300 |       |    |      |

The Sector List is used in the Bremen Radar profile. To use this list in the Rhein Radar and Maastricht Radar profile, in the Topsy Menu bar click on "Tools" > "Flight Plan Lists" > "Sector List...".

| List Item | Description                    | Left click                      | Right click       |
|-----------|--------------------------------|---------------------------------|-------------------|
| ASSR      | Assigned Squawk Code           | Assign Squawk                   | --                |
| FR        | Flight Rule Indicator          | --                              | --                |
| C/S       | Callsign                       | Open Callsign Menu              | Toggle Route Draw |
| C         | Communication Type Indicator   | Change Communication Type       | --                |
| AYTP      | Aircraft Type + WTC            | --                              | --                |
| ADEP      | Departure Aerodrome            | Open Flight Plan                | --                |
| ETN       | Estimated Time of Sector Entry | --                              | --                |
| COPN      | Sector Entry Waypoint          | Open Waypoint Coordination Menu | --                |
| PEL       | Planned Sector Entry Level     | Open PEL Coordination Menu      | --                |

|      |                               |                                 |                    |
|------|-------------------------------|---------------------------------|--------------------|
| ADES | Destination Aerodrome         | Open Flight Plan                | --                 |
| ETX  | Estimated Time of Sector Exit | --                              | --                 |
| COPX | Sector Exit Waypoint          | Open Waypoint Coordination Menu | Open Waypoint Menu |
| XFL  | Sector Exit Level             | Open XFL Coordination Menu      | --                 |
| CFL  | Cleared Flight Level          | Open CFL Menu                   | Open RFL Menu      |
| RFL  | Requested Final Level         | Open RFL Menu                   | Open RFL Menu      |
| AHDG | Assigned Heading              | Open AHDG Menu                  | Open Waypoint Menu |
| STAR | Assigned STAR                 | Open STAR Menu                  | --                 |
| RWY  | Assigned Arrival Runway       | Open Runway Menu                | --                 |
| SI   | Next Sector Indicator         | Open SI Menu                    | --                 |
| STND | Planned Arrival Stand         | Open Stand Menu                 | Open Stand Menu    |

## Departure List

Q F S

Departure List

| REQ | CALLSIGN | STAND | ATYP | W | V | ADES | RWY | SID     | VIA | CLMB | aSSR | DCL | C | STS | T | RMK |
|-----|----------|-------|------|---|---|------|-----|---------|-----|------|------|-----|---|-----|---|-----|
| -   | DLH9EM   | B06   | A320 | M |   | EDDF | 25L | LOGD02N | YES | A50  | 1000 |     |   |     |   |     |
| -   | EZY57BT  | B10   | A320 | M |   | EGGD | 25L | SUKIP2N | YES |      | 2023 |     |   |     |   |     |
| -   | EJU64GB  | C01   | A319 | M |   | LTAI | 25L | AKSAP3N | YES | A50  | 2221 | OK  |   | SU  |   |     |
| -   | MAH801   | C05   | T154 | M |   | LHBP | 25L | LUR0S2N | YES | A50  | 1000 |     |   |     |   |     |

Note: When using the Bremen Radar Profile, the ADEP column is also displayed by default.

| List Item | Description                   | Left click            | Right click          |
|-----------|-------------------------------|-----------------------|----------------------|
| TIMER     | Pending Request Time          | --                    | --                   |
| REQ       | Pending Request               | Open Request Menu     | --                   |
| CALLSIGN  | Callsign                      | Open Callsign Menu    | Toggle Route Draw    |
| TOBT      | Target Off-Block Time (CDM)   | Set Ready TOBT Status | Open TOBT Menu       |
| TSAT      | Target Start-Up Time (CDM)    | --                    | Open CDM Menu        |
| CTOT      | Calculated Takeoff Time (CDM) | Open CTOT Menu        | Get ECFMP FM as text |

|              |                              |                              |                              |
|--------------|------------------------------|------------------------------|------------------------------|
| <b>STAND</b> | Departure Stand              | --                           | --                           |
| <b>ATYP</b>  | Aircraft Type                | Edit Scratchpad (Remarks)    | Open Communication Type Menu |
| <b>W</b>     | WTC highlight                | Toggle WTC highlight         | --                           |
| <b>V</b>     | Flight Rules Indicator       | --                           | --                           |
| <b>ADEP</b>  | Departure Aerodrome          | Open Flight Plan             | Open Flight Plan             |
| <b>ADES</b>  | Destination Aerodrome        | Open Flight Plan             | Open Flight Plan             |
| <b>RWY</b>   | Assigned Departure Runway    | Open Runway Menu             | Open Euroscope SID menu      |
| <b>SID</b>   | Assigned SID                 | Confirm proposed runway      | Open SID Menu                |
| <b>CLMB</b>  | Cleared Level                | Open CFL Menu                | Open CFL Menu                |
| <b>RFL</b>   | Requested Final Level        | Open RFL Menu                | Open RFL Menu                |
| <b>aSSR</b>  | Assigned Squawk              | Auto Assign Squawk           | Open Squawk Menu             |
| <b>DCL</b>   | Datalink Clearance Indicator | Open DCL Menu                | --                           |
| <b>C</b>     | Clearance Received Flag      | Set Clearance Received Flag  | --                           |
| <b>STS</b>   | Ground State                 | Open Ground State Menu       | Open Ground State Menu       |
| <b>T</b>     | Communication Type Indicator | Open Communication Type Menu | Open Communication Type Menu |
| <b>RMK</b>   | Scratchpad / Remarks         | Edit Scratchpad (Remarks)    | Edit Scratchpad (Remarks)    |

## Startup List

| REQ | CALLSIGN | C | TOBT | TSAT | CTOT | STAND | ATYP | W | V | ADES | RWY | SID     | VIA | CLMB | aSSR | DCL | STS | T | RMK |
|-----|----------|---|------|------|------|-------|------|---|---|------|-----|---------|-----|------|------|-----|-----|---|-----|
| -   | DLH9EM   | □ | ---- |      |      | B06   | A320 | M |   | EDDF | 25L | LOGD02N | YES | A50  | 1000 |     |     |   |     |
| -   | EJU64GB  | ■ | ---- |      |      | C01   | A319 | M |   | LTAI | 25L | ERSAP2N | YES | A50  | 2221 | OK  | SU  |   |     |
| -   | EZY57BT  | □ | ---- |      |      | B10   | A320 | M |   | EGGD | 25L | SUKIP2N | YES |      | 2023 |     |     |   |     |
| -   | MAH801   | □ | ---- |      |      | C05   | T154 | M |   | LHBP | 25L | LUROS2N | YES | A50  | 1000 |     |     |   |     |

By default the Start-Up List is disabled. Especially when working Delivery during events it is recommended to use the Startup list as traffic with taxi, lineup or takeoff ground states are filtered out. To display the Start-Up List click on the "Quick SET" menu in Euroscope, then on "Show Startup

List".

| List Item       | Description                   | Left click                   | Right click                  |
|-----------------|-------------------------------|------------------------------|------------------------------|
| <b>TIMER</b>    | Pending Request Time          | --                           | --                           |
| <b>REQ</b>      | Pending Request               | Open Request Menu            | --                           |
| <b>CALLSIGN</b> | Callsign                      | Open Callsign Menu           | Assume/Transfer              |
| <b>C</b>        | Clearance Received Flag       | Set Clearance Received Flag  | --                           |
| <b>TOBT</b>     | Target Off-Block Time (CDM)   | Set Ready TOBT Status        | Open TOBT Menu               |
| <b>TSAT</b>     | Target Start-Up Time (CDM)    | --                           | Open CDM Menu                |
| <b>CTOT</b>     | Calculated Takeoff Time (CDM) | Open CTOT Menu               | Get ECFMP FM as text         |
| <b>STAND</b>    | Departure Stand               | --                           | Open Stand Menu              |
| <b>ATYP</b>     | Aircraft Type                 | Edit Scratchpad (Remarks)    | Open Communication Type Menu |
| <b>W</b>        | WTC highlight                 | Toggle WTC highlight         | --                           |
| <b>V</b>        | Flight Rules Indicator        | --                           | --                           |
| <b>ADES</b>     | Destination Aerodromeme       | Open Flight Plan             | Open Flight Plan             |
| <b>RWY</b>      | Assigned Departure Runway     | Open Runway Menu             | Open Euroscope SID menu      |
| <b>SID</b>      | Assigned SID                  | Confirm proposed runway      | Open SID Menu                |
| <b>CLMB</b>     | Cleared Level                 | Open CFL Menu                | Open CFL Menu                |
| <b>RFL</b>      | Requested Final Level         | Open RFL Menu                | Open RFL Menu                |
| <b>aSSR</b>     | Assigned Squawk               | Auto Assign Squawk           | Open Squawk Menu             |
| <b>DCL</b>      | Datalink Clearance Indicator  | Open DCL Menu                | Set Clearance Received Flag  |
| <b>STS</b>      | Ground State                  | Open Ground State Menu       | Open Ground State Menu       |
| <b>T</b>        | Communication Type Indicator  | Open Communication Type Menu | Open Communication Type Menu |

|     |                      |                           |                           |
|-----|----------------------|---------------------------|---------------------------|
| RMK | Scratchpad / Remarks | Edit Scratchpad (Remarks) | Edit Scratchpad (Remarks) |
|-----|----------------------|---------------------------|---------------------------|



# Shortcuts and Aliases

## Shortcuts

### ASR Shortcuts Euroscope

- F1 + 1 = Base ASR (EDWW/UU/YY and TWR)
- F1 + 2 = EDDB GND ASR
- F1 + 3 = EDDH GND ASR
- F1 + 4 = EDDV GND ASR
- F1 + 5 = EDDW GND ASR
- F1 + 6 = EDXW GND ASR
- F1 + 7 = EDHL GND ASR
- F1 + 8 = EDVK GND ASR
- F1 + 9 = EDAH GND ASR

For aerodromes where no ASR shortcut is available, the ASR may be opened by clicking on "Open SCT" > "Open ...", then select the required ASR in the EDWW > ASR folder. ASR are available for EDVE, EDHI, ETHB, ETHC, ETHS, ETND, ETNH, ETNL, ETNS, ETNT, ETNW, ETSH.

### General Topsky Shortcuts

- ALT + Q = Start new QDM Line
- ALT + X = Remove all QDM Lines
- ALT + S = Start new Min. Separation Line
- ALT + F = Open Flight Plan Window of Selected Flight
- ALT + U = Toggle Quick Look (disables currently applied filters)
- ALT + L = Toggle Route Draw of Selected Aircraft for 5 Seconds

### Topsky Shortcuts - Bremen Radar Profile

- ALT + M = Toggle MVA Map
- ALT + V = Toggle VFR Map
- ALT + A = Toggle Airspace Levels Map (Airspace C, D and TMZ)
- ALT + F = Toggle FIS Region and Squawk Map

- ALT + K = Toggle Coast Map
- ALT + N = Toggle All Enroute Fixes Map
- ALT + D = Toggle Tactical Directs Map (only available when connected)
- ALT + C = Toggle Sector Map
- ALT + B = Toggle Upper Sectors EDYY/EDUU

## Topsky Shortcuts - Tower (PHX) Profile

- ALT + H = Toggle Heliport Map
- ALT + T = Toggle Topography Labels Map
- ALT + V = Toggle VRP Labels Map
- ALT + M = Toggle MVA Map

## Topsky Shortcuts - Maastricht Radar Profile

- ALT + D = Toggle Tactical Directs Map
- ALT + B = Toggle Lower Sector Map

## Topsky Shortcuts - Rhein Radar Profile

- ALT + D = Toggle Tactical Directs Map
- ALT + N = Toggle Fix Label Map

# Aliases

## General Aliases

There are many aliases available for almost every movement. These aliases are similar across VATGER. The alias definitions can be seen [\*\*here\*\*](#).

## Aliases EDWW FIR

Furthermore, there are FIR specific aliases available:

Coordination aliases:

- .CAR Approval request \$1, \$aircraft DCT \$2.
- .CARAC Approval request for airspace crossing \$aircraft, \$1.
- .CARACC Approval request for airspace crossing \$aircraft, \$1, climb up to \$2.
- .CARACD Approval request for airspace crossing \$aircraft, \$1, descending down to \$2.
- .CARAT Approval request for additional traffic, \$aircraft \$1.
- .CARS Approval request \$1, \$aircraft and \$2, \$3 NM spacing, \$4.
- .CEDAH Hello, approval request for airspace crossing, \$aircraft, position \$1, approaching EDAH RWY28, expected approach time \$2.
- .CRLT Request release for left turns \$aircraft.
- .CRRT Request release for right turns \$aircraft.
- .CRC Request release for climb \$aircraft.
- .CRD Request release for descent \$aircraft.
- .CREF Reference \$1, request \$2.
- .CDR Request release \$aircraft.
- .CAPVD Approved!
- .CARES Approved, \$1.
- .CRLSD \$1 released.
- .CRS \$1 released, subject your discretion \$2.
- .CW Wilco!
- .CC Consider!
- .CU Unable \$1
- .CREQ Request \$1, \$aircraft \$2

#### EDDH specific aliases:

- .D1 Taxi left via D1, hold short of runway 33.
- .G Taxi left via D1 and G, hold short of runway 33.
- .A6 Long rollout approved, vacate via A6.
- .C33 Cross runway 33.
- .C23 Cross runway 23.
- .C15 Cross runway 15.
- .C05 Cross runway 05.
- .NOLGO Holding information for NOLGO: Inbound track 005 degrees, left turns.
- .RIBSO Holding information for RIBSO: Inbound track 028 degrees, right turns.
- .BOGMU Holding information for BOGMU: Inbound track 229 degrees, right turns.
- .RARUP Holding information for RARUP: Inbound track 276 degrees, right turns.

#### EDDV specific aliases:

- .T27R Taxi to holding point runway 27R via \$1, M and N, cross runway 27C.
- .T27L taxi to holding point runway 27L via \$1.
- .T09L Taxi to holding point runway 09L via \$1, G and H, cross runway 09C.
- .T09R Taxi to holding point runway 09R via \$1.
- .C27 Cross runway 27C.
- .C09 Cross runway 09C.
- .NIE Holding information for NIE: Inbound track 181 degrees, right turns.

- .CEL Holding information for CEL: Inbound track 257 degrees, right turns.
- .SAS Holding information for SAS: Inbound track 088 degrees, left turns.
- .ROBEG Holding information for ROBEG: Inbound track 007 degrees, right turns.

EDDW specific aliases:

- .T27 Taxi to holding point runway 27 via N, C and F.
- .T09 Taxi to holding point runway 09 via N and A.
- .VERED Holding information for VERED: Inbound track 297 degrees, right turns.
- .PIXUR Holding information for PIXUR: Inbound track 347 degrees, left turns.
- .GIBMA Holding information for GIBMA: Inbound track 181 degrees, right turns.
- .EKROV Holding information for EKROV: Inbound track 254 degrees, right turns.
- .BMN Holding information for BMN: Inbound track 177 degrees, right turns.

# Bug Reporting

## Your Feedback is highly appreciated!

We prefer bug reports and suggestions for improvements to be published on Github:

<https://github.com/VATGER-Nav/edww-package>

Still, you can report your issue in the Vatsim Germany Forums: <https://board.vatsim-germany.org/threads/bugreports-sop-loa-controller-pack.71287/> (in this case we will open a Github issue for you)

Keep in mind: Your problems are only heard when using the official/mentioned ways of giving feedback.

The GitHub repository is public for a reason! We would like to keep the development process as transparent as possible. Also, we invite everyone to actively contribute to the project by uploading pull requests yourself. Keep in mind, that every pull request will be reviewed by a member of the EDWW Nav-Team first. It might be possible that your pull request or issue gets rejected if not meeting our standards.