

# TopSky plugin for EuroScope

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*- version 2.6 -*

Example Setup Description (COOPANS)

## Table of Contents

<b>1</b>	<b>Track labels .....</b>	<b>3</b>
1.1	Label descriptions .....	4
1.1.1	Uncorrelated label .....	4
1.1.2	Reduced label .....	4
1.1.3	Standard label .....	4
1.1.4	Minimised label .....	4
1.1.5	Extended label .....	4
1.2	Mouse functions in track labels .....	5
1.3	Generic Ground S mode labels.....	6
<b>2</b>	<b>Flight lists .....</b>	<b>7</b>
2.1	Plugin-provided lists.....	7
2.1.1	Sector List.....	7
2.1.2	Load Factor List .....	8
2.1.3	Resectorisation List.....	8
2.1.4	ETWR List .....	9
2.1.5	Uncontrolled List 1 and 2.....	10
2.1.6	Traffic Management List 1 and 2 .....	11
2.2	EuroScope default lists.....	12
2.2.1	Sector Inbound List (SIL) and Sector Exit List (SEL) .....	12
2.2.2	Departure List .....	12

## 1 Track labels

The following descriptions show the positions of the data fields in the different labels of the default set that is provided with the plugin and the available mouse click areas on them. The contents, any special coloring rules and the color definitions themselves for the data fields are explained in the General part of the manual set. Note that an uncorrelated primary radar track will not show a label at all unless an individual quick look has been toggled on.

### Legend:

FIELD	Always displayed
	<ul style="list-style-type: none"><li>- When no data available: In selected and extended labels the field name is displayed except for indicators on line 0 which are blank</li></ul>
(FIELD)	Always displayed
	<ul style="list-style-type: none"><li>- When no data available: blank</li></ul>
FIELD	Display may be toggled on/off (globally via the Track Control Window, or for some fields, for individual tracks via the selected or extended label)
	<ul style="list-style-type: none"><li>- CFL/PEL field : only the PEL display can be selected off</li></ul>

## 1.1 Label descriptions

### 1.1.1 Uncorrelated label

#### Unselected track

```
TCT DUPE EMRG AIW
FLTID/TSSR
AFL a GS
DSFL DHDG DIAS DMACH DRC DBPS
```

#### Selected track

```
TCT DUPE EMRG AIW
(FLTID) TSSR
AFL (a) GS
(DSFL) (DHDG) (DIAS) (DMACH) (DRC) (DBPS)
```

### 1.1.2 Reduced label

#### Unselected track

```
V MSAW APM TCT APW AIW FSQ FASTwarn DUPE W S EMRG
A1000
MTCD CALLSIGN SI NRAC ATYP WTC
AFL a FCOPX GS NPT ADES
DSFL DHDG DIAS DMACH DRC DBPS
```

#### Selected track

```
COM * V MSAW APM TCT APW AIW FSQ FASTwarn DUPE W Y M
A + C TEL I S EMRG COORD A1000 TEXT2 TTLTTG_MFX_FF
(MTCD) CALLSIGN (SI) (NRAC) ATYP WTC TSSR
AFL (a) (FCOPX) GS NPT ADES
CFL (ACF)
(OP_TEXT) [max 2 lines of text]
(DSFL) (DHDG) (DIAS) (DMACH) (DRC) (DBPS)
```

### 1.1.3 Standard label

#### Unselected track

```
COM * V MSAW APM TCT APW FSQ FASTwarn CLAM DUPE W Y R P M •
• A + C TEL I F S EMRG COORD A1000 NSSR CPDLC_E CPDLC_W TEXT2
TTLTTG_MFX_FF
MTCD CALLSIGN PFREQ SI NRAC ATYP WTC TSSR
AFL a COPN/COPX GS NPT RFL ADES
CFL/PEL ACF XFL AHDG ASP ARC
DSFL DHDG DIAS DMACH DRC DBPS
```

#### Selected track

```
COM * V MSAW APM TCT APW FSQ FASTwarn CLAM DUPE W Y R P M •
• A + C TEL I F S EMRG COORD A1000 NSSR CPDLC_E CPDLC_W TEXT2
TTLTTG_MFX_FF
(MTCD) CALLSIGN (PFREQ) SI (NRAC) ATYP WTC TSSR
AFL (a) COPN/COPX GS NPT RFL ADES
CFL/PEL (ACF) XFL AHDG ASP ARC
(OP_TEXT) [max 2 lines of text]
(DSFL) (DHDG) (DIAS) (DMACH) (DRC) (DBPS)
```

### 1.1.4 Minimised label

```
V TCT EMRG CPDLC_E
< CALLSIGN
AFL
```

### 1.1.5 Extended label

COM * V MSAW APM TCT APW AIW FSQ FASTwarn CLAM DUPE W Y R P M • • A + C TEL I F S EMRG COORD A1000 NSSR CPDLC_E CPDLC_W TEXT2 TTLTTG_MFX_FF (MTCD) CALLSIGN (PFREQ) SI NRAC ATYP WTC AFL (a) COPN/COPX GS NPT RFL ADES CFL/PEL (ACF) XFL AHDG ASP ARC (STATE) (ASI) (DSFL) (DHDG) (DIAS) (DMACH) (DRC) (DBPS) COMP_CS (FIELD15) [max 9 lines of text] (FIELD18) [max 6 lines of text] (FMF) (MALRT) (OP_TEXT) [max 2 lines of text] (OP_TEXT2)	SQ_AMAN MFX_FF TOM_STAFF  TSSR ASSR PSSR FLTID FLTADD CODE ADEP ETD/ATD (EET) ALT1 ALT2
---	--

## 1.2 Mouse functions in track labels

Data field	Left-click action	Right-click action
+		Open extended label
*	Toggle Units	
A		Open extended label
a	Invoke SEP tool with VSEP	
ACF	Toggle ACF field color	Clear approach clearance
ADES	Open Flight Plan Window	Toggle display in unselected label
AFL	Open AFL menu	Toggle Level Band Highlight
AHDG	Open AHDG menu	Ack rejected/failed coordination / Clear value / Set “present heading” clearance
AIW		Acknowledge AIW alert
ALT1	Open Flight Plan Window	
ALT2	Open Flight Plan Window	
ARC	Open ARC menu	Ack rejected/failed coordination / Clear value
ASP	Open ASP menu	Ack rejected/failed coordination / Clear value
ASSR	Open ASSR menu	Send CPDLC “Squawk SSR” message
ATYP	Toggle ATYP highlight	Toggle display in unselected label
C	Toggle inbound clearance flag	
CALLSIGN	Open Callsign menu	(Click) Open extended label (Shift+click) Toggle minimised label
CFL/PEL	Open CFL / COPN altitude menu	Open Vertical Aid Window
COM	Open communication type popup	
COORD	Open Tactical Transfer menu	Open Tactical Info Window
COPN/COPX	Open Waypoint menu	Toggle flight leg display
CPDLC_E	Open CPDLC Emergency Ack menu	
CPDLC_W	Acknowledge warning / Open CPDLC Pilot Late Acknowledgement menu	Open CPDLC Current Message Window (if field includes “+”)
DBPS		Toggle display in unselected label
DHDG		Toggle display in unselected label
DIAS		Toggle display in unselected label
DMACH		Toggle display in unselected label
DRC		Toggle display in unselected label
DSFL		Toggle display in unselected label
EET	Open Flight Plan Window	
F	Toggle No Fix flag	
FLTID (Uncorrelated label)	Open Callsign menu	
FSQ	FSQ Re-sequence	FSQ Remove
GS	Invoke SEP tool	Toggle display in unselected label
I		Open extended label
M	Toggle military coordination flag	Toggle flight leg display (SAP only)
MFx_FF		Acknowledge AMAN highlight
MTCD		Toggle flight leg display (MTCD only)
NPT	Open Waypoint menu	Open CPDLC Current Message Window (if field includes “+”)
NSSR	Open ASSR menu	Send CPDLC “Squawk SSR” message

OP_TEXT	Edit OP-TEXT	
OP_TEXT2	Edit OP-TEXT2	
PFREQ		Acknowledge monitoring indicator
RFL	Open RFL menu	Open CPDLC Current Message Window (if field includes "+")
SI	Assume/Transfer	Toggle sector ID/freq display
TCT		Toggle TCT legs display
TEL (EuroScope "Manual coordination flag" tag item)	Accept manual coordination	
TEXT2	Edit OP_TEXT2	Open extended label
TOM_STAFF		Acknowledge AMAN highlight
TSSR (Extended label)		Toggle Mode S data
TSSR (Uncorrelated label)	Open Callsign menu	
TTLTTG_MFX_FF		Acknowledge AMAN highlight
WTC	Toggle WTC highlight	Toggle display in unselected label
XFL	Open COPX altitude menu	Open Vertical Aid Window

### 1.3 Generic Ground S mode labels

The label set includes the following labels to enable a generic ground radar display. The items and functions are all EuroScope default ones.

#### *Unselected track*

CALLSIGN ATYP WTC OP_TEXT2	CALLSIGN ATYP WTC OP_TEXT2
----------------------------------	----------------------------------

#### *Selected track*

#### *Mouse functions*

Data field	Left-click action	Right-click action
CALLSIGN	Open ES flight plan dialog	
OP_TEXT2	Edit scratch pad string	

## 2 Flight lists

The plugin-provided and ES default lists have the following items and functionality (some fields are deselected by default). Where the data field title is not the same as the label field title, the label field title is shown in parentheses.

### 2.1 Plugin-provided lists

#### 2.1.1 Sector List

Data field	Left-click action	Right-click action
U (*)	Toggle Units	
C/S (CALLSIGN)	Open Callsign menu	
ETN		
PEL	Acknowledge PEL highlight, Open COPN altitude coordination list	Open Vertical Aid Window
COPN	Open Waypoint menu	Toggle flight leg display
No (NRAC)		
ATYP	Toggle ATYP highlight	
W (WTC)	Toggle WTC highlight	
R (V)		
CFL	Open CFL menu	Open Vertical Aid Window
ACF	Toggle ACF field color	Clear approach clearance
AHDG	Open AHDG menu	Ack rejected/failed coordination / Clear value / Set “present heading” clearance
ASP	Open ASP menu	Ack rejected/failed coordination / Clear value
TAS		
ETX		
XFL	Open COPX altitude coordination list	Open Vertical Aid Window
COPX	Open Waypoint menu	Toggle flight leg display
RFL	Open RFL menu	Open CPDLC Current Message Window (if field includes “+”)
PSSR		Find Track function (with PSSR)
ASSR	Open ASSR menu	Send CPDLC “Squawk SSR” message
NSSR	Open ASSR menu	Send CPDLC “Squawk SSR” message
AN		
ADEP		
SID	Open SID setup popup list	Acknowledge SID allocation
DRWY		
FCOPX		Toggle flight leg display
FETX (ETO FCOPX)		
FText	Edit FText	
ADES	Open Flight Plan Window	Open ES flight plan dialog
(1) FX (MFX_FF)		Acknowledge AMAN highlight
(1) STA (TOM_STAFF)		Acknowledge AMAN highlight
(1) TTLTTG (TTLTTG_MFX_FF)		Acknowledge AMAN highlight
SI	Open next controller popup list	
(EuroScope “Manual coordination flag” tag item)	Accept manual coordination	

ETA		
STAR	Open STAR setup popup list	Acknowledge STAR allocation
ARWY	Open RWY setup popup list	
(1) SQ (SQ_AMAN)		
(2) Gate (Arrival stand)	Open Stand menu	
OP_TEXT	Edit OP_TEXT	
TEXT2 (OP_TEXT2)	Edit OP_TEXT2	
(3) MNR		
(3) OFL		
(3) NAT		
(3) OAN		
(3) CTO		
(3) +		
(3) NBT		
(3) NLT		
C	Toggle Check indicator	

- (1) are arrival manager related data, display data only if compatible AMAN data is being used  
(2) is from Ground Radar plugin, displays data only if that plugin is also used, otherwise shows “???”  
(3) are oceanic clearance related data, only relevant for oceanic setups

### 2.1.2 Load Factor List

Data field	Left-click action	Right-click action
C/S (CALLSIGN)	Open Callsign menu	
No (NRAC)		
R (V)		
ETN		
PEL	Acknowledge PEL highlight, Open COPN altitude coordination list	Open Vertical Aid Window
COPN	Open Waypoint menu	Toggle flight leg display
ADEP		
ADES	Open Flight Plan Window	Open ES flight plan dialog
RFL	Open RFL menu	
PSSR		
ASSR	Open ASSR menu	Send CPDLC “Squawk SSR” message
C	Toggle Check indicator	
(1) STATE (Ground state)	Open Ground state menu	

- (1) is from Ground Radar plugin, displays data only if that plugin is also used, otherwise shows “???”

### 2.1.3 Resectorisation List

Data field	Left-click action	Right-click action
C/S (CALLSIGN)	Open Callsign menu	
LFUNC (SI)		
C	Toggle Check indicator	



### 2.1.4 ETWR List

Data field	Left-click action	Right-click action
U (*)	Toggle Units	
C/S (CALLSIGN)	Open Callsign menu	
FETN (ETO FCOPN)		
FCOPN		Toggle flight leg display
ETN		
PEL	Acknowledge PEL highlight, Open COPN altitude coordination list	Open Vertical Aid Window
COPN	Open Waypoint menu	Toggle flight leg display
SID	Open SID setup popup list	Acknowledge SID allocation
DRWY	Open RWY setup popup list	
FText	Edit FText	
No (NRAC)		
ATYP	Toggle ATYP highlight	
W (WTC)	Toggle WTC highlight	
R (V)		
XFL	Open COPX altitude coordination list	Open Vertical Aid Window
COPX	Open Waypoint menu	Toggle flight leg display
FCOPX		Toggle flight leg display
RFL	Open RFL menu	Open CPDLC Current Message Window (if field includes "+")
ASSR	Open ASSR menu	Send CPDLC "Squawk SSR" message
ADEP		
ADES	Open Flight Plan Window	Open ES flight plan dialog
SI	Open next controller popup list	
AN		
C	Toggle Check indicator	
(1) STATE (Ground state)	Open Ground state menu	

(1) is from Ground Radar plugin, displays data only if that plugin is also used, otherwise shows "???"

### 2.1.5 Uncontrolled List 1 and 2

Data field	Left-click action	Right-click action
C/S (CALLSIGN)	Open Callsign menu	
ASSR	Open ASSR menu	Send CPDLC "Squawk SSR" message
No (NRAC)		
ATYP		
ADEP		
EOBT (ETD)	Open Time menu	
ATD	Open Time menu	Reset ATD to ETD
ADES	Open Flight Plan Window	Open ES flight plan dialog
(1) FF		Acknowledge AMAN highlight
(1) STAFF		Acknowledge AMAN highlight
(1) TTLTTG (TTLTTG_FF)		Acknowledge AMAN highlight
ALTN1 (ALT1)	Open Flight Plan Window	
EET	Open Flight Plan Window	
ETA		
FCOPN		Toggle flight leg display
PEL	Acknowledge PEL highlight, Open COPN altitude coordination list	
FETN (ETO FCOPN)		
FCOPX		Toggle flight leg display
FETX (ETO FCOPX)		
LFUNC (SI)		
OP_TEXT	Edit OP_TEXT	
TEXT2 (OP_TEXT2)	Edit OP_TEXT2	
FText	Edit FText	
C	Toggle Check indicator	

(1) are arrival manager related data, display data only if compatible AMAN data is being used

### 2.1.6 Traffic Management List 1 and 2

Data field	Left-click action	Right-click action
ETN		
COPN	Open Waypoint menu	Toggle flight leg display
PEL	Acknowledge PEL highlight, Open COPN altitude coordination list	
SI	Open next controller popup list	
C/S (CALLSIGN)	Open Callsign menu	
ASSR	Open ASSR menu	Send CPDLC "Squawk SSR" message
AFL	Open AFL menu	Toggle Level Band Highlight
a		
CFL	Open CFL menu	Open Vertical Aid Window
ATYP	Toggle ATYP highlight	
W (WTC)	Toggle WTC highlight	
R (V)		
TAS		
RFL	Open RFL menu	Open CPDLC Current Message Window (if field includes "+")
ETX		
COPX	Open Waypoint menu	Toggle flight leg display
XFL	Open COPX altitude coordination list	Open Vertical Aid Window
FCOPX		Toggle flight leg display
ADEP		
ADES	Open Flight Plan Window	Open ES flight plan dialog
(1) FX (MFX_FF)		Acknowledge AMAN highlight
(1) STA (TOM_STAFF)		Acknowledge AMAN highlight
(1) TTLTTG (TTLTTG_MFX_FF)		Acknowledge AMAN highlight
(1) SQ (SQ_AMAN)		
(1) STAB		
ETO (TML1/2 ETO)		
STAR	Open STAR setup popup list	Acknowledge STAR allocation
ARWY	Open RWY setup popup list	
ETA		
SID	Open SID setup popup list	Acknowledge SID allocation
DRWY		
AHDG	Open AHDG menu	Ack rejected/failed coordination / Clear value / Set "present heading" clearance
FText	Edit FText	
C	Toggle Check indicator	
TIME (ETD)	Open Time menu	
Actual (ATD)	Open Time menu	
HOLD (TML1/2 HOLD)	Toggle HOLD/XHOLD	

(1) are arrival manager related data, display data only if compatible AMAN data is being used

## 2.2 EuroScope default lists

The following default lists have been set up with plugin data:

### 2.2.1 Sector Inbound List (SIL) and Sector Exit List (SEL)

Same as Sector List

### 2.2.2 Departure List

Data field	Left-click action	Right-click action
U (*)	Toggle Units	
C/S (CALLSIGN)	Open Callsign menu	
(1) CMT	Open CMT Pop-up	
No (NRAC)		
ATYP	Toggle ATYP highlight	
W (WTC)	Toggle WTC highlight	
R (V)		
TIME (ETD)	Open Time menu	
CTOT (ATD)	Open Time menu	Reset ATD to ETD
CFL	Open CFL menu	Open Vertical Aid Window
XFL	Open COPN/COPX altitude coordination list	Open Vertical Aid Window
COPX	Open Waypoint menu	Toggle flight leg display
FCOPX		Toggle flight leg display
FETX (ETO FCOPX)		
RAK	Toggle RAK indicator	
ADEP		
ADES	Open Flight Plan Window	Open ES flight plan dialog
RFL	Open RFL menu	
ASSR	Open ASSR menu	
NSSR	Open ASSR menu	
AHDG	Open AHDG menu	Ack rejected/failed coordination / Clear value / Set "present heading" clearance
ASP	Open ASP menu	Ack rejected/failed coordination / Clear value
SID	Open SID setup popup list	Acknowledge SID allocation
DRWY	Open RWY setup popup list	
FText	Edit FText	
SI	Open next controller popup list	
(EuroScope "Manual coordination flag" tag item)	Accept manual coordination	
(2) Gate (Departure stand)		
NFREQ	Open NFREQ menu	
ATIS	Edit ATIS letter	
(1) DCL	Open DCL Window	
AN		
DEP (EST/DEP/ABT)	EST: Open Departure Coordination Window DEP: Open Time menu, set ground state "DEPA" ABT: Reset ATD to EOBT, set ground state "TAXI"	
C (CLR)	Set clearance received flag	
(2) STATE (Ground state)	Open Ground state menu	

(1) are datalink departure clearance related data, only relevant if datalink clearances are issued

(2) are from Ground Radar plugin, display data only if that plugin is also used, otherwise show "???"