

Inhaltsverzeichnis

1. DXL - APRSmap operating	60
2. Benutzer:OE2WAO	25
3. DXL - APRSmap englisch	41

DXL - APRSmap operating

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Version vom 14. August 2021, 12:24 Uhr

(Quelltext anzeigen)

[OE2WAO](#) ([Diskussion](#) | [Beiträge](#))

Markierung: **Visuelle Bearbeitung**

[← Zum vorherigen Versionsunterschied](#)

Aktuelle Version vom 14. August 2021,

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[OE2WAO](#) ([Diskussion](#) | [Beiträge](#))

Markierung: 2017-Quelltext-Bearbeitung

(Eine dazwischenliegende Version desselben Benutzers wird nicht angezeigt)

Zeile 2:	Zeile 2:
<div></div>	<div></div>
<div>==Program start==</div>	<div>==Program start==</div>
<div>-<div>After downloading and saving locally, the ""aprsmap.exe"" program can also be started. A separate installation is not required.</div></div>	<div>+<div>After downloading and saving locally, the ""aprsmap.exe"" program can be started. A separate installation is not required.</div></div>
<div></div>	<div></div>
<div>==Operation==</div>	<div>==Operation==</div>
Zeile 24:	Zeile 24:
<div></div>	<div></div>
<div>===Shortcuts===</div>	<div>===Shortcuts===</div>
<div></div>	<div>+<div>Note, shortcut keys are case sensitive!</div></div>
<div><nowiki>:</nowiki> delete markers</div>	<div><nowiki>:</nowiki> delete markers</div>
<div>@ reset <On Next Click> to menu mode</div>	<div>@ reset <On Next Click> to menu mode</div>
Zeile 74:	Zeile 75:
<div>ctrl-V Paste</div>	<div>ctrl-V Paste</div>
<div></div>	<div></div>
<div>===Tips & tricks<span class="mw-editsection" style="box-sizing: inherit; user-select: none; font-size: 12px; font-weight: normal; margin-left: 1em; vertical-align: baseline; line-height: 1em; display: inline-block; white-space: nowrap;</div>	<div>===Tips & tricks===</div>

– **unicode-bidi: isolate; visibility: visible; opacity: 1; transition: visibility 0s ease 0s, opacity 0.5s linear 0s;">[[https://wiki.oevsv.at/w/index.php?title=DXL - APRSmap Bedienung&veaction=edit§ion=5 Edit] | [https://wiki.oevsv.at/w/index.php?title=DXL - APRSmap Bedienung§ion=5&veaction=edit&source=Edit source]] ===**

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*** Animation: Click on the track of a moving object (e.g. car) and press the "a" key**

*** Temperature distribution: Two times "w" (w + w) shows a color distribution of the reported temperatures (sensible min. Zoom level 10 or less)**

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***The "0" (zero), ESC and ":" keys often help if you want to have everything displayed again after clicking on the filter or similar.**

***"TAB" key toggles between two independent displays, similar to VFO "A" and "B".**

* The "0" (zero), ESC and ":" keys often help if you want to have everything displayed again after clicking on the filter or similar.

* "TAB" key toggles between two independent displays, similar to VFO "A" and "B".

==Menus==

Zeile 94:

===File===

==Menus==

Zeile 96:

===File===

+ =====Import Log=====

+ Import a complete logfile.

+

+ =====Screenshot=====

+ Save a screenshot in your local user directory, e.g. map1.bmp (Win10 user directories are in the User\AppData folder e.g. C:\Users\User\AppData\Local\VirtualStore\Program Files (x86)\APRSmap)

+

+ =====Make Video=====

+ Save a video from e.g. a moving object in .y4m raw video format.

+

+ =====Write Log=====

+ Choose the logfile directory.

+

+ =====Keep Log Days=====

+ Define the ammount of days logs are kept.

+

+ =====Quit=====

	+	Exit APRSmap, shortcut key is q.
====Config====		====Config====
=====Brightness=====		=====Brightness=====
- Einstellen der jeweiligen Helligkeiten, Zeiten und Farben.
	+	Setting the respective brightness, times and colors.
- Time Fade Out - Zeit bis zum Verschwinden der Anzeige von Stationen nach Ablauf der Zeit zur Anzeige (s.nächster Punkt)	+	Time Fade Out - time until the display of stations disappears after the time for display (full brightness) has expired
- Time full Bright - Zeit zur Anzeige empfangener Positionen	+	Time full Bright - time to display received positions
- Brightness Waypoint - Helligkeit der Wegstreckenpunkte	+	Brightness Waypoint - Brightness of the waypoint points
- Brightness Text - Helligkeit der Stationstexte	+	Brightness Text - Brightness of the station texts
- Brightness Symbol - Helligkeit der angezeigten Symbole	+	Brightness Symbol - the brightness of the symbols displayed
- Gamma - Gammawert Einstellung der Karte	+	Gamma - Gamma value setting of the card
- Brightness Track - Helligkeit der Wegstrecke	+	Brightness Track - the brightness of the route
- Brightness Map - Helligkeit der Karte	+	Brightness Map - the brightness of the map
- Brightness Object - Helligkeit der angezeigten Objekte	+	Brightness Object - the brightness of the objects displayed
=====Online=====		=====Online=====
- Der Bereich ONLINE ist anfangs wohl der wichtigste und notwendigste Menüpunkt, welcher individuell konfiguriert werden muss.
	+	The ONLINE area is initially the most important and necessary menu item, which has to be configured individually.
- Grundsätzlich können schon beim einfachen Start des Programms und bestehender Datenverbindung andere Stationen empfangen werden, auch ohne Angabe des eigenen Rufzeichens		<u>Basically, when the program is simply started and a data connection is established, other stations can be receive even without specifying your own callsign, position or APRS passcod

<p>– , der Position oder des APRS-Passcode. Um jedoch "aktiv" im APRS Netz zu agieren, und auch von anderen Stationen gesehen und erreicht werden zu können, müssen diese Angaben entsprechend eingegeben werden. "Der APRS PASScode muss einmalig angefordert werden. Dazu im Internet nach "APRS PASSCODE Generator" suchen."</p>	<p>+ e (RX only mode)</u>. However, in order to act "actively" in the APRS network and to be seen and reached by other stations, this information must be entered accordingly. The "APRS PASScode" must be requested once. To do this, search for ""APRS PASSCODE Generator"" on the Internet.</p>
<p>=====My Call=====</p>	<p>=====My Call=====</p>
<p>– Hier gibt man das zu verwendende Rufzeichen, optional mit SSID ein.</p> <p>(without SSID) Your primary station usually fixed and message capable</p> <p>-1 generic additional station, digi, mobile, wx, etc</p>	<p>+ Here you enter the callsign to be used, optionally with SSID.</p> <p>(without SSID) Your primary station usually fixed and message capable</p> <p>-1 generic additional station, digi, mobile, wx, etc</p>
<p>Zeile 136:</p> <p>=====My Symbol=====</p>	<p>Zeile 155:</p> <p>=====My Symbol=====</p>
<p>– Selbsterklärend</p> <p>=====My Position=====</p> <p>Um die eigene Position bei MY POSITION ohne größeren Suchaufwand und schnell einzutragen, einfach zuerst mit dem Zoom soweit in die MAP gehen (vorzugsweise ZOOMLEVEL 17), dass man seine eigene Position klar erkennen kann. Dann den Punkt CONFIG - ONLINE - MY POSITION öffnen und mit gehaltener SHIFT-Taste (Umschalttaste) per Mausklick die eigene Position bestimmen. Die Koordinaten werden dabei automatisch im Kontextmenü übernommen, und müssen nur mit OK bestätigt werden.</p>	<p>+ Self-explanatory</p> <p>=====My Position=====</p> <p>In order to enter your own position in MY POSITION quickly and without any major search effort, simply go first with the zoom into the MAP (preferably ZOOMLEVEL 17) so that you can clearly see your own position. Then open the CONFIG - ONLINE - MY POSITION item and click the SHIFT key to determine your own position. The coordinates are automatically adopted in the context menu and only need to be confirmed with OK.</p>

=====Netbeacontext=====

- Der hier eingestellte Text wird über die Netzwerkverbindung als **Bakentext** gesendet.

=====Passcode=====

- Einen APRS PASSCODE braucht man zwar nicht zwingend für RX, aber zum Senden der eigenen Daten ist dieser Code unumgänglich. Diesen Code kann man mit Wartezeit im Netz beantragen, einfach per Suchmaschine nach APRS IS PASSCODE suchen.

=====Netbeacontext=====

The text set here is sent as beacon text via the network connection.

=====Passcode=====

An APRS PASSCODE is not absolutely necessary for RX, but this code is essential for sending your own data. You can apply for this code online with a waiting period, simply search for APRS IS PASSCODE using the search engine.

=====Server URL=====

Any APRS server that provides the data in the correct format can be entered as the server URL.

for example:

aprs.oe2xzt.ampr.at (for connections via HAMNET)

austria.aprs2.net (for connections via Internet)

Another list can be found at <http://www.aprs2.net/serverstats.php>.

=====Server URL=====

- als Server URL kann jeder APRS-Server eingetragen werden, der die Daten im richtigen Format zu Verfügung stellt.

- zum Beispiel:

- aprs.oe2xzt.ampr.at (für Verbindungen im HAMNET)

The standard port is 14580 and does not have to be specified.

Alternative ports are given after the address:

– **austria.aprs2.net (für Verbindung via Internet)**

– **Eine weitere Liste kann unter <http://www.aprs2.net/serverstats.php> gefunden werden.**

– **Der Standardport ist 14580, und muss nicht mit angegeben werden.**

– **Alternativports werden hinter der Adresse angegeben:**

aprs.server.com:12345

aprs.server.com:12345

=====Serverfilter=====

=====Serverfilter=====

– **Vorschlag: `""m/100 p/OE -t/t""`**

+

Suggestion: `" ""m / 100 p / OE -t / t""`

– **Der Positionsfilter ist wie folgt aufgebaut [Position]/[Radius] z.B. `""m /100""` für Anzeige von Daten mit Radius 100km um die eigene Position.**

+

– **Um alle OE Stationen (bspw. mobil) auch außerhalb des definierten Radiusfilters angezeigt zu bekommen nutzt man `""p/OE""`.**

+

The position filter is structured as follows [Position] / [Radius] eq `" ""m / 100""` for displaying data with a radius of 100km around your own position.

– **Und der meist unnötige Telemetrieverkehr wird mit `""-t/t""` gefiltert.**

`""TIP""`

+

`" ""P / OE""` is used to display all OE stations (e.g. mobile) outside the defined radius filter .

– **Einstellungen den Server betreffend werden erst bei einer Neuverbindung übernommen, dafür kann entweder die Serververbindung in der Menüleiste unter "N" getrennt und wiederhergestellt werden, oder man deaktiviert und aktiviert den entsprechenden Servereintrag unter "Config">"Online">"Connect Server".**

+

		+ And the mostly unnecessary telemetry traffic is filtered with " '"-t / t'" ".	
		+	
		+ "'TIP'"	
		+	
		settings relating to the server are only adopted when a new connection is made, for this the server connection can either be	
		+ disconnected and re-established in the menu bar under "N", or the corresponding server entry can be deactivated and activated under "Config"> "Online"> "Connect Server" .	
		+ 	
		=====Connect Server=====	
-	Aktiviert bzw. deaktiviert die Online-Verbindung.	+	Activates or deactivates the online connection.
-			
		=====Allow TX to NET=====	
-	Aktiviert bzw. deaktiviert das Senden von (eigenen) Daten in das Online-Netzwerk.	+	Activates or deactivates the sending of (own) data to the online network.
-			
		=====Allow Gate RF>NET=====	
-	Aktiviert bzw. deaktiviert die Weitergabe von lokal via HF gehörten APRS Daten in das Online-Netzwerk.	+	Activates or deactivates the forwarding of APRS data heard locally via HF in the online network.
		=====RF-Ports=====	
Zeile 184:		Zeile 205:	

=====Show Loc of Mouse=====	=====Show Loc of Mouse=====
- Aktiviert/Deaktiviert die Anzeige der Koordinaten, Höhe und Entfernung des Mauszeigers auf der Karte.	+ Activates / deactivates the display of the coordinates, height and distance of the mouse pointer on the map.
=====Trackfilter=====	=====Trackfilter=====
- Aktiviert/Deaktiviert die intelligente Filterfunktion für fehlerhafte bzw. unplaussible Positionsdaten (bspw. lange Striche quer durch die APRS Karte; Hacken bzw. Zik-Zak im Track als ob die Strecke mehrmals gefahren wurde - Radkappe verloren-, verursacht durch von Digis zeitlich massiv verzögert abgelieferten Paketen)	+ Activates / deactivates the intelligent filter function for incorrect or implausible position data (e.g. long lines across the APRS map; chopping or zik-zak in the track as if the route was driven several times - wheel cap lost - caused by a massive delay from Digis delivered packages)
=====Show Scaler=====	=====Show Scaler=====
=====Show Windvane=====	=====Show Windvane=====
- Aktiviert/Deaktiviert die Anzeige der Windfahne bei Wetterstationen falls dieser Wert geliefert wurde.	+ Activates / deactivates the display of the wind vane at weather stations if this value was supplied.
=====Show Temp=====	=====Show Temp=====
- Aktiviert/Deaktiviert die Anzeige des Temperaturwerts bei Wetterstationen falls dieser geliefert wurde.	+ Activates / deactivates the display of the temperature value at weather stations if this has been delivered.
=====Load Map Program=====	=====Load Map Program=====
- De-/Aktiviert das Kartenladeprogramm . Optional kann mit Klick auf das Menü das Ladeprogramm gewählt werden, wahlweise	+ Deactivates / activates the card loader . Optionally, the loading program can be selected by clicking on the menu, optionally
- getosm "(Standard, aktiviert das externe Programm getosm.exe von OE5 KRN)" ""*empfohlen"	+ getosm "(standard, activates the external program getosm.exe from OE5 KRN)" ""*recommended"

-	start sh map.sh "(Karten laden im Hintergrund)"	+	start sh map.sh "(loading maps in the background)"
-	sh qm.sh "(für Kartendownload aus dem Internet)"	+	sh qm.sh "(for map download from the Internet)"
-	sh qm-hamnet.sh "(für Kartendownload aus dem HAMNET)"	+	sh qm-hamnet.sh "(for map download from HAMNET)"
	=====km/h Text=====		=====km/h Text=====
-	Frei wählbarer Text der Einheit zur Geschwindigkeitsanzeige beweglicher Stationen. Default "km/h", kann zum Platzsparen bspw. gekürzt werden auf "km".	+	Freely selectable text of the unit for displaying the speed of moving stations. Default "km / h", can be shortened to "km", for example, to save space.
-			
	=====Show Altitude min m=====		=====Show Altitude min m=====
Zeile 229:		Zeile 249:	
	===Tools===		===Tools===
	=====Toolbar Off=====		=====Toolbar Off=====
-	Deaktiviert die permanent angezeigte Toolbar. Danach lässt sich die Toolbar mit einem Klick auf die Karte dynamisch öffnen.	+	Deactivates the permanently displayed toolbar. The toolbar can then be opened dynamically with a click on the map.
-			
	=====On next Click=====		=====On next Click=====
Zeile 236:		Zeile 255:	
	=====Choose Maps=====		=====Choose Maps=====
		+	
		+	=====Reload=====
		+	
		+	=====Download=====
		+	

+ =====tiles_quest=====

+

+ =====tiles_sat=====

+

+ =====tiles_cyclemap [9]=====

+

+ =====tiles_topo [8]=====

+

+ =====tiles [7]=====

=====Find=====

=====Find=====

Zeile 243:

=====Select Data=====

=====Symbol=====

Bei aktivierter Anzeige (gekennzeichnet durch * neben SYMBOL) werden nur die ausgewählten Symbole angezeigt. Diese lassen sich per Klick auf die jeweiligen Symbole ein-/ausschalten (Mehrfachauswahl möglich). Mit Klick auf den Wortlaut SYMBOL lässt sich die gesamte Funktion ein-/ausschalten.

-

-

=====Dimm Notmover=====

Dimmt per Ein-/Ausschalter die sich nicht bewegend Stationen und Objekte gegenüber bspw. Mobilstationen deutlich ab.

-

=====Rain Colourmap=====

=====Temp Colourmap=====

Zeile 276:

=====Select Data=====

=====Symbol=====

When the display is activated (marked by * next to SYMBOL) only the selected symbols are displayed. These can be switched on / off by clicking on the respective symbols (multiple selection possible). The entire function can be switched on / off by clicking on the wording SYMBOL.

+

+

=====Dimm Notmover=====

With the on / off switch, it clearly dims the stationary stations and objects in relation to, for example, mobile stations.

=====Rain Colourmap=====

=====Temp Colourmap=====

<p>– Zeigt eine Temperaturverteilung (ähnlich einer Isobarenkarte). Shortcut 2x "w". Beenden der Colourmap Ansicht mit ESC oder erneut Taste w</p>	<p>+ Shows a temperature distribution (similar to an isobar map). Shortcut 2x "w". Exit the Colourmap view with ESC or key w again</p>
<p>=====Add Maptypes=====</p>	<p>+ =====WX Stations=====</p> <p>+ =====Show POI=====</p> <p>+ =====Show All=====</p> <p>=====Add Maptypes=====</p>
<p>Zeile 258:</p> <p>=====Send Message=====</p> <p>– Öffnet das Nachrichten Kontextmenü</p> <p>=====Animate=====</p>	<p>Zeile 296:</p> <p>=====Send Message=====</p> <p>+ Opens the message context menu</p> <p>=====Animate=====</p>
<p>Zeile 264:</p> <p>====Help====</p> <p>=====Version=====</p> <p>– Zeigt die aktuell installierte Version von APRSmap an.
Der Buchstabe in Klammer bezeichnet das Betriebssystem, gefolgt von der Versionsnummer der Software.</p>	<p>Zeile 302:</p> <p>====Help====</p> <p>=====Version=====</p> <p>+ Shows the currently installed version of APRSmap.</p>
<p>aprsm(w) 0.79 by OE5DXL</p> <p>=====Helptext=====</p>	<p>+ The letter in brackets indicates the operating system, followed by the version number of the software.</p> <p>aprsm(w) 0.79 by OE5DXL</p> <p>=====Helptext=====</p>
<p>– Öffnet den programminternen Hilfekontext.</p>	<p>+ Opens the program-internal help context.</p>

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
- [[DXL - APRSmap << Zurück zur DXL-APRSmap Übersicht]]	+ [[DXL - APRSmap englisch << Back to D XL - APRSmap overview]]

Aktuelle Version vom 14. August 2021, 14:49 Uhr

Inhaltsverzeichnis

1 Program start	74
2 Operation	74
2.1 First steps	74
2.2 Shortcuts	74
2.3 Tips & tricks	75
3 Menus	76
3.1 File	76
3.1.1 Import Log	76
3.1.2 Screenshot	76
3.1.3 Make Video	76
3.1.4 Write Log	76
3.1.5 Keep Log Days	77
3.1.6 Quit	77
3.2 Config	77
3.2.1 Brightness	77
3.2.2 Online	77
3.2.2.1 My Call	77
3.2.2.2 My Symbol	78
3.2.2.3 My Position	78
3.2.2.4 Netbeacontext	78
3.2.2.5 Passcode	78
3.2.2.6 Server URL	78
3.2.2.7 Serverfilter	78
3.2.2.8 Connect Server	79
3.2.2.9 Allow TX to NET	79
3.2.2.10 Allow Gate RF>NET	79
3.2.3 RF-Ports	79
3.2.4 Timers	79
3.2.5 Map Parameter	79
3.2.5.1 Show Loc of Mouse	79
3.2.5.2 Trackfilter	79
3.2.5.3 Show Scaler	79

3.2.5.4 Show Windvane	79
3.2.5.5 Show Temp	80
3.2.5.6 Load Map Program	80
3.2.5.7 km/h Text	80
3.2.5.8 Show Altitude min m	80
3.2.5.9 Brightness Notmover	80
3.2.5.10 Reset to Default	80
3.2.6 Map Moving	80
3.2.7 Colours, Font	80
3.2.8 Callfilters	80
3.2.9 Watch Calls	80
3.2.10 Reload Config	80
3.2.11 Save Config	80
3.3 Zoom	80
3.4 Tools	80
3.4.1 Toolbar Off	80
3.4.2 On next Click	81
3.4.3 List	81
3.4.4 Choose Maps	81
3.4.4.1 Reload	81
3.4.4.2 Download	81
3.4.4.3 tiles_quest	81
3.4.4.4 tiles_sat	81
3.4.4.5 tiles_cyclemap [9]	81
3.4.4.6 tiles_topo [8]	81
3.4.4.7 tiles [7]	81
3.4.5 Find	81
3.4.6 Radiolink	81
3.4.7 Select Data	81
3.4.7.1 Symbol	81
3.4.7.2 Dimm Notmover	81
3.4.7.3 Rain Colourmap	81
3.4.7.4 Temp Colourmap	81
3.4.7.5 WX Stations	82
3.4.7.6 Show POI	82
3.4.7.7 Show All	82
3.4.8 Add Maptypes	82
3.4.9 Map directory	82
3.4.10 Send Message	82
3.4.11 Animate	82
3.5 Help	82
3.5.1 Version	82
3.5.2 Helptext	82

Program start

After downloading and saving locally, the **aprsmap.exe** program can be started. A separate installation is not required.

Operation

First steps

APRSmap 1st Start

On the first start of the program it is necessary to do some configuration. The most important things you have to adjust are in the ONLINE menu. You best configure all steps from up till down.

- First of all you put in your callsign (MY CALLSIGN) with optional SSID
- Second step is to choose your desired APRS icon (MY SYMBOL)
- Next you will zoom to your QTH as far as you can, 100% identifying your home (zoom level >16). Then open ONLINE - MY POSITION and point to your home with the cursor. While push and hold the SHIFT key click on your home. The coordinates will be copied into the MY POSITION field. Just click OK to save them.
- Now you can set the SERVER URL by just inserting your favorite APRS IS. Click ADD to save this entry.

for example:

aprs.oe2xzt.ampr.at (APRS IS connection via HAMNET)
austria.aprs2.net (APRS IS connection via Internet)

- You also need to enter a valid APRS PASSCODE to transmit packets to the APRS network (not needed in case of only RX). Just do a internet search on APRS PASSCODE to find a possibility on getting your code.
- Last but not least you have to activate CONNECT SERVER to get data from an to the APRS network.

Shortcuts

Note, shortcut keys are case sensitive!

```
: delete markers
@ reset <On Next Click> to menu mode
a Animate (Click to Map to set Parameters)
b or <Backspace> go back in position history
c Center (to last clicked Pixel)
d toggle (missing) map download
e toggle Errors only/All for stepping along a track with <>
f Junk Filter toggle on/off
h Heard (click symbol or text of igate before)
i Internal Status Listing
l toggle Labels on/off
m toggle dimm not moving since 10min
o toggle Objects/Items on/off
p toggle mouse-over Hints
q Quit Program
```



```

r  toggle Radio tracks on/off
s  toggle show only stations with a selected symbol
u  toggle tx/rx-Monitor window on/off
w  toggle WX stations and Temperature
x  set Marker 1 to mouse position
y  set Marker 2 and Line to Marker 1
B  Open Beacon editor
C  Enter Category of POI to be drawn on map
D  Digi Config open/close
F  Find Call (with wildcards * ?), Locator, Latitude/Longitude
H  Altitude Colour Map (if srtm-Data available)
M  Compose Message
R  toggle Radiorange Map on/off
T  toggle Timestamp
S  Screenshot bpm (win), png (linux)
W  Rain map (use topo or dark map)
< > Step along Beacons/Waypoints of a selected User
( )  Map Brightness +/- 5%
/    zoom to Marker 1-2 Square
\    shortcut list
~    change track colour
+    Zoom in - Zoom out
.    zoom to track and show only this (clicked before)
=    same as . but with radio tracks
0    show all (and radio tracks off)
1,2,3,4 Zoom/Pan to stored Views
7,8,9  use map type as configured
ESC    close menus
Cursor up/down/left/right  move map, same as click near margin
SHIFT with up/down/left/right/[zoom+]/[zoom-]  in smaller steps
DEL    delete selected (Symbol, Waypoint)
TAB    switch between two Views
ctrl-L  Reset Image and Mouse parameters to default
ctrl-V  Paste

```

Tips & tricks

- Animation: Click on the track of a moving object (e.g. car) and press the "a" key
- Temperature distribution: Two times "w" (w + w) shows a color distribution of the reported temperatures (sensible min. Zoom level 10 or less)
- The "0" (zero), ESC and ":" keys often help if you want to have everything displayed again after clicking on the filter or similar.
- "TAB" key toggles between two independent displays, similar to VFO "A" and "B".

Menus



In addition to the main menus explained in more detail below, the menu offers further short menus on the right.

N Display or switching of the network status, green means connected, orange means not connected or connection problems. If the mouse pointer is moved over the menu, the connection status appears in the popup
 1-4....Display or switch the UDP port connections
 L display the log file data
 M View the saved messages
 F display or switching of the track filter (incorrect or implausible position packages)
 O display or switch the display of pure objects

By the way, the mouse position display (green bar with coordinates) can be activated in the CONFIG> MAP PARAMETER> SHOW LOC OF MOUSE menu.

File

Import Log

Import a complete logfile.

Screenshot

Save a screenshot in your local user directory, e.g. map1.bmp (Win10 user directories are in the User\AppData folder e.g. C:\Users\User\AppData\Local\VirtualStore\Program Files (x86)\APRSmap)

Make Video

Save a video from e.g. a moving object in .y4m raw video format.

Write Log

Choose the logfile directory.

Keep Log Days

Define the ammount of days logs are kept.

Quit

Exit APRSmap, shortcut key is q.

Config

Brightness

Setting the respective brightness, times and colors.

```
Time Fade Out - time until the display of stations disappears after the time
for display (full brightness) has expired
Time full Bright - time to display received positions
Brightness Waypoint - Brightness of the waypoint points
Brightness Text - Brightness of the station texts
Brightness Symbol - the brightness of the symbols displayed
Gamma - Gamma value setting of the card
Brightness Track - the brightness of the route
Brightness Map - the brightness of the map
Brightness Object - the brightness of the objects displayed
```

Online

The ONLINE area is initially the most important and necessary menu item, which has to be configured individually. Basically, when the program is simply started and a data connection is established, other stations can be receive even without specifying your own callsign, position or APRS passcode (RX only mode). However, in order to act "actively" in the APRS network and to be seen and reached by other stations, this information must be entered accordingly. The *APRS PASScode* must be requested once. To do this, search for "*APRS PASSCODE Generator*" on the Internet.

My Call

Here you enter the callsign to be used, optionally with SSID.

```
(without SSID) Your primary station usually fixed and message capable
-1 generic additional station, digi, mobile, wx, etc
-2 generic additional station, digi, mobile, wx, etc
-3 generic additional station, digi, mobile, wx, etc
-4 generic additional station, digi, mobile, wx, etc
-5 Other networks (Dstar, Iphones, Androids, Blackberry's etc)
-6 Special activity, Satelllite ops, camping or 6 meters, etc
-7 walkie talkies, HT's or other human portable
-8 boats, sailboats, RV's or second main mobile
-9 Primary Mobile (usually message capable)
-10 internet, Igates, echolink, winlink, AVRS, APRN, etc
-11 balloons, aircraft, spacecraft, etc
-12 APRStt, DTMF, RFID, devices, one-way trackers*, etc
-13 Weather stations
-14 Truckers or generally full time drivers
-15 generic additional station, digi, mobile, wx, etc
```

* One-way trackers should best use the -12 one-way SSID indicator because the -9's usually mean a ham in full APRS communication both message and voice. The -9's can be contacted by APRS message or by Voice on his frequency included in his beacon, or on Voice Alert if he is in simplex range. The -12's are just moving Icons on the map and since they have no 2 way communication for ham radio they are not generally of routine interest to other operators.

My Symbol

Self-explanatory

My Position

In order to enter your own position in MY POSITION quickly and without any major search effort, simply go first with the zoom into the MAP (preferably ZOOMLEVEL 17) so that you can clearly see your own position. Then open the CONFIG - ONLINE - MY POSITION item and click the SHIFT key to determine your own position. The coordinates are automatically adopted in the context menu and only need to be confirmed with OK.

Netbeacontext

The text set here is sent as beacon text via the network connection.

Passcode

An APRS PASSCODE is not absolutely necessary for RX, but this code is essential for sending your own data. You can apply for this code online with a waiting period, simply search for APRS IS PASSCODE using the search engine.

Server URL

Any APRS server that provides the data in the correct format can be entered as the server URL.

for example:
aprs.oe2xzt.ampr.at (for connections via HAMNET)
austria.aprs2.net (for connections via Internet)

Another list can be found at <http://www.aprs2.net/serverstats.php>.

The standard port is 14580 and does not have to be specified.

Alternative ports are given after the address:
aprs.server.com:12345

Serverfilter

Suggestion: " **m / 100 p / OE -t / t** "

The position filter is structured as follows [Position] / [Radius] eg " **m / 100** " for displaying data with a radius of 100km around your own position.

" **P / OE** " is used to display all OE stations (e.g. mobile) outside the defined radius filter .

And the mostly unnecessary telemetry traffic is filtered with " **-t / t** ".

TIP

settings relating to the server are only adopted when a new connection is made, for this the server connection can either be disconnected and re-established in the menu bar under "N", or the corresponding server entry can be deactivated and activated under "Config"> "Online"> "Connect Server" .

Connect Server

Activates or deactivates the online connection.

Allow TX to NET

Activates or deactivates the sending of (own) data to the online network.

Allow Gate RF>NET

Activates or deactivates the forwarding of APRS data heard locally via HF in the online network.

RF-Ports

Timers

Map Parameter

Show Loc of Mouse

Activates / deactivates the display of the coordinates, height and distance of the mouse pointer on the map.

Trackfilter

Activates / deactivates the intelligent filter function for incorrect or implausible position data (e.g. long lines across the APRS map; chopping or zik-zak in the track as if the route was driven several times - wheel cap lost - caused by a massive delay from Digis delivered packages)

Show Scaler

Show Windvane

Activates / deactivates the display of the wind vane at weather stations if this value was supplied.

Show Temp

Activates / deactivates the display of the temperature value at weather stations if this has been delivered.

Load Map Program

Deactivates / activates the card loader. Optionally, the loading program can be selected by clicking on the menu, optionally

```
getosm (standard, activates the external program getosm.exe from OE5KRN)  *  
recommended  
start sh map.sh (loading maps in the background)  
sh gm.sh    (for map download from the Internet)  
sh gm-hamnet.sh (for map download from HAMNET)
```

km/h Text

Freely selectable text of the unit for displaying the speed of moving stations. Default "km / h", can be shortened to "km", for example, to save space.

Show Altitude min m

Brightness Notmover

Reset to Default

Map Moving

Colours, Font

Callfilters

Watch Calls

Reload Config

Save Config

Zoom

Tools

Toolbar Off

Deactivates the permanently displayed toolbar. The toolbar can then be opened dynamically with a click on the map.

On next Click

List

Choose Maps

Reload

Download

tiles_quest

tiles_sat

tiles_cyclemap [9]

tiles_topo [8]

tiles [7]

Find

Radiolink

Select Data

Symbol

When the display is activated (marked by * next to SYMBOL) only the selected symbols are displayed. These can be switched on / off by clicking on the respective symbols (multiple selection possible). The entire function can be switched on / off by clicking on the wording SYMBOL.

Dimm Notmover

With the on / off switch, it clearly dims the stationary stations and objects in relation to, for example, mobile stations.

Rain Colourmap

Temp Colourmap

Shows a temperature distribution (similar to an isobar map). Shortcut 2x "w". Exit the Colourmap view with ESC or key w again

WX Stations

Show POI

Show All

Add Maptypes

Map directory

Send Message

Opens the message context menu

Animate**Help****Version**

Shows the currently installed version of APRSmap. The letter in brackets indicates the operating system, followed by the version number of the software.

```
aprsm(w) 0.79 by OE5DXL
```

Helptext

Opens the program-internal help context.

[<< Back to DXL - APRSmap overview](#)

DXL - APRSmap operating und Benutzer:OE2WAO: Unterschied zwischen den Seiten

VisuellWikitext

Version vom 14. August 2021, 12:24 Uhr

([Quelltext anzeigen](#))

[OE2WAO](#) ([Diskussion](#) | [Beiträge](#))

Markierung: [Visuelle Bearbeitung](#)

Aktuelle Version vom 9. August 2020, 23:

[41 Uhr](#) ([Quelltext anzeigen](#))

[OE2WAO](#) ([Diskussion](#) | [Beiträge](#))

(Die Seite wurde neu angelegt:

„<https://oe2wao.info>“)

Zeile 1:

– **[[Kategorie:APRS]]**

–

– **==Program start==**

– **After downloading and saving locally, the '''aprsmap.exe''' program can also be started. A separate installation is not required.**

–

– **==Operation==**

– **===First steps===**

–

– **[[Datei:Aprsmap-1st-start.jpg]]**

–

– **On the first start of the program it is necessary to do some configuration. The most important things you have to adjust are in the ONLINE menu. You best configure all steps from up till down.**

–

– ***First of all you put in your callsign (MY CALLSIGN) with optional SSID**

– ***Second step is to choose your desired APRS icon (MY SYMBOL)**

Zeile 1:

+ <https://oe2wao.info>

***Next you will zoom to your OTH as far as you can, 100% identifying your home (zoom level >16). Then open ONLINE - MY POSITION and point to your home with the cursor. While push and hold the SHIFT key click on your home. The coordinates will be copied into the MY POSITION field. Just click OK to save them.**

***Now you can set the SERVER URL by just inserting your favorite APRS IS. Click ADD to save this entry.**

for example:

aprs.oe2xzt.ampr.at (APRS IS connection via HAMNET)

austria.aprs2.net (APRS IS connection via Internet)

***You also need to enter a valid APRS PASSCODE to transmit packets to the APRS network (not needed in case of only RX). Just do a internet search on APRS PASSCODE to find a possibility on getting your code.**

***Last but not least you have to activate CONNECT SERVER to get data from an to the APRS network.**

===Shortcuts===

<nowiki>:</nowiki> delete markers

@ reset <On Next Click> to menu mode

a Animate (Click to Map to set Parameters)

b or <Backspace> go back in position history

c Center (to last clicked Pixel)

- **d** toggle (missing) map download
- **e** toggle Errors only/All for stepping along a track with <>
- **f** Junk Filter toggle on/off
- **h** Heard (click symbol or text of igate before)
- **i** Internal Status Listing
- **l** toggle Labels on/off
- **m** toggle dimm not moving since 10min
- **o** toggle Objects/Items on/off
- **p** toggle mouse-over Hints
- **q** Quit Program
- **r** toggle Radio tracks on/off
- **s** toggle show only stations with a selected symbol
- **u** toggle tx/rx-Monitor window on/off
- **w** toggle WX stations and Temperature
- **x** set Marker 1 to mouse position
- **y** set Marker 2 and Line to Marker 1
- **B** Open Beacon editor
- **C** Enter Category of POI to be drawn on map
- **D** Digi Config open/close
- **F** Find Call (with wildcards * ?), Locator, Latitude/Longitude
- **H** Altitude Colour Map (if srtm-Data available)
- **M** Compose Message
- **R** toggle Radiorange Map on/off
- **T** toggle Timestamp
- **S** Screenshot bpm (win), png (linux)

– **W** Rain map (use topo or dark map)

– **< >** Step along Beacons/Waypoints of a selected User

– **()** Map Brightness +- 5%

– **/** zoom to Marker 1-2 Square

– **** shortcut list

– **~** change track colour

– **+** Zoom in - Zoom out

– **.** zoom to track and show only this (clicked before)

– **=** same as . but with radio tracks

– **0** show all (and radio tracks off)

– **1,2,3,4** Zoom/Pan to stored Views

– **7,8,9** use map type as configured

– **ESC** close menus

– **Cursor up/down/left/right** move map, same as click near margin

– **SHIFT** with up/down/left/right/ [zoom+]/[zoom-] in smaller steps

– **DEL** delete selected (Symbol, Waypoint)

– **TAB** switch between two Views

– **ctrl-L** Reset Image and Mouse parameters to default

– **ctrl-V** Paste

– **===** Tips & tricks

– **unicode-bidi: isolate; visibility: visible; opacity: 1; transition: visibility 0s ease 0s, opacity 0.5s linear 0s;">[[<https://wiki.oevsv.at/w/index.php?title=DXL - APRSmap Bedienung&veaction=edit§ion=5 Edit>] | [<https://wiki.oevsv.at/w/index.php?title=DXL - APRSmap Bedienung§ion=5&veaction=edit&source>Edit source>]] ===**

– *** Animation: Click on the track of a moving object (e.g. car) and press the "a" key**

– *** Temperature distribution: Two times "w" (w + w) shows a color distribution of the reported temperatures (sensible min. Zoom level 10 or less)**

– *** The "0" (zero), ESC and ":" keys often help if you want to have everything displayed again after clicking on the filter or similar.**

– *** "TAB" key toggles between two independent displays, similar to VFO "A" and "B".**

–

– **==Menus==**

– **[[Datei:Aprsmap-conf-online.PNG]]**

–

– **In addition to the main menus explained in more detail below, the menu offers further short menus on the right.**

- **N Display or switching of the network status, green means connected, orange means not connected or connection problems. If the mouse pointer is moved over the menu, the connection status appears in the popup**
- **1-4....Display or switch the UDP port connections**
- **L display the log file data**
- **M View the saved messages**
- **F display or switching of the track filter (incorrect or implausible position packages)**
- **O display or switch the display of pure objects**
- **By the way, the mouse position display (green bar with coordinates) can be activated in the CONFIG> MAP PARAMETER> SHOW LOC OF MOUSE menu.**
- **====File====**
- **====Config====**
- **====Brightness====**
- **Einstellen der jeweiligen Helligkeiten, Zeiten und Farben.
**
- **Time Fade Out - Zeit bis zum Verschwinden der Anzeige von Stationen nach Ablauf der Zeit zur Anzeige (s.nächster Punkt)**
- **Time full Bright - Zeit zur Anzeige empfangener Positionen**
- **Brightness Waypoint - Helligkeit der Wegstreckenpunkte**

- **Brightness Text - Helligkeit der Stationstexte**
- **Brightness Symbol - Helligkeit der angezeigten Symbole**
- **Gamma - Gammawert Einstellung der Karte**
- **Brightness Track - Helligkeit der Wegstrecke**
- **Brightness Map - Helligkeit der Karte**
- **Brightness Object - Helligkeit der angezeigten Objekte**
-
- **====Online====**
- **Der Bereich ONLINE ist anfangs wohl der wichtigste und notwendigste Menüpunkt, welcher individuell konfiguriert werden muss.
**
- **Grundsätzlich können schon beim einfachen Start des Programms und bestehender Datenverbindung andere Stationen empfangen werden, auch ohne Angabe des eigenen Rufzeichens, der Position oder des APRS-Passcode. Um jedoch "aktiv" im APRS Netz zu agieren, und auch von anderen Stationen gesehen und erreicht werden zu können, müssen diese Angaben entsprechend eingegeben werden. "Der APRS PASScode muss einmalig angefordert werden. Dazu im Internet nach "APRS PASSCODE Generator" suchen."**
-
- **====My Call====**
- **Hier gibt man das zu verwendende Rufzeichen, optional mit SSID ein.**
- **(without SSID) Your primary station usually fixed and message capable**

- **-1 generic additional station, digi, mobile, wx, etc**
- **-2 generic additional station, digi, mobile, wx, etc**
- **-3 generic additional station, digi, mobile, wx, etc**
- **-4 generic additional station, digi, mobile, wx, etc**
- **-5 Other networks (Dstar, Iphones, Androids, Blackberry's etc)**
- **-6 Special activity, Satellite ops, camping or 6 meters, etc**
- **-7 walkie talkies, HT's or other human portable**
- **-8 boats, sailboats, RV's or second main mobile**
- **-9 Primary Mobile (usually message capable)**
- **-10 internet, Iqates, echolink, winlink, AVRS, APRN, etc**
- **-11 balloons, aircraft, spacecraft, etc**
- **-12 APRStt, DTMF, RFID, devices, one-way trackers*, etc**
- **-13 Weather stations**
- **-14 Truckers or generally full time drivers**
- **-15 generic additional station, digi, mobile, wx, etc**
- *** One-way trackers should best use the -12 one-way SSID indicator because the -9's usually mean a ham in full APRS communication both message and voice.**

The -9's can be contacted by APRS message or by Voice on his frequency included in his beacon, or on Voice Alert if he is in simplex range.

The -12's are just moving Icons on the map and since they have no 2 way communication for ham radio they are not generally of routine interest to other operators.

=====My Symbol=====

Selbsterklärend

=====My Position=====

Um die eigene Position bei MY POSITION ohne größeren Suchaufwand und schnell einzutragen, einfach zuerst mit dem Zoom soweit in die MAP gehen (vorzugsweise ZOOMLEVEL 17), dass man seine eigene Position klar erkennen kann. Dann den Punkt CONFIG - ONLINE - MY POSITION öffnen und mit gehaltener SHIFT-Taste (Umschalttaste) per Mausklick die eigene Position bestimmen. Die Koordinaten werden dabei automatisch im Kontextmenü übernommen, und müssen nur mit OK bestätigt werden.

=====Netbeacontext=====

Der hier eingestellte Text wird über die Netzwerkverbindung als Bakentext gesendet.

=====Passcode=====

Einen APRS PASSCODE braucht man zwar nicht zwingend für RX, aber zum Senden der eigenen Daten ist dieser Code unumgänglich. Diesen Code kann man mit Wartezeit im Netz beantragen, einfach per Suchmaschine nach APRS IS PASSCODE suchen.

====Server URL=====

als Server URL kann jeder APRS-Server eingetragen werden, der die Daten im richtigen Format zu Verfügung stellt.

zum Beispiel:

aprs.oe2xzt.ampr.at (für Verbindungen im HAMNET)

austria.aprs2.net (für Verbindung via Internet)

Eine weitere Liste kann unter <http://www.aprs2.net/serverstats.php> gefunden werden.

Der Standardport ist 14580, und muss nicht mit angegeben werden.

Alternativports werden hinter der Adresse angegeben:

aprs.server.com:12345

====Serverfilter=====

Vorschlag: ""m/100 p/OE -t/t""

Der Positionsfilter ist wie folgt aufgebaut [Position]/[Radius] z.B. ""m/100"" für Anzeige von Daten mit Radius 100km um die eigene Position.

– Um alle OE Stationen (bspw. mobil) auch außerhalb des definierten Radiusfilters angezeigt zu bekommen nutzt man `""p/OE""`.

– Und der meist unnötige Telemetrieverkehr wird mit `""-t/t""` gefiltert.

– `""TIP""`

– Einstellungen den Server betreffend werden erst bei einer Neuverbindung übernommen, dafür kann entweder die Serververbindung in der Menüleiste unter "N" getrennt und wiederhergestellt werden, oder man deaktiviert und aktiviert den entsprechenden Servereintrag unter "Config">"Online">"Connect Server".

– `====Connect Server====`

– Aktiviert bzw. deaktiviert die Online-Verbindung.

– `====Allow TX to NET====`

– Aktiviert bzw. deaktiviert das Senden von (eigenen) Daten in das Online-Netzwerk.

– `====Allow Gate RF>NET====`

– Aktiviert bzw. deaktiviert die Weitergabe von lokal via HF gehörten APRS Daten in das Online-Netzwerk.

– `====RF-Ports====`

- ☐
- **====Timers=====** ☐
- ☐
- **====Map Parameter=====** ☐
- ☐
- **=====Show Loc of Mouse=====** ☐
Aktiviert/Deaktiviert die Anzeige der Koordinaten, Höhe und Entfernung des Mauszeigers auf der Karte.
- ☐
- **=====Trackfilter=====** ☐
Aktiviert/Deaktiviert die intelligente Filterfunktion für fehlerhafte bzw. unplausible Positionsdaten (bspw. lange Striche quer durch die APRS Karte; Hacken bzw. Zik-Zak im Track als ob die Strecke mehrmals gefahren wurde -Radkappe verloren-, verursacht durch von Digis zeitlich massiv verzögert abgelieferten Paketen)
- ☐
- **=====Show Scaler=====** ☐
- ☐
- **=====Show Windvane=====** ☐
Aktiviert/Deaktiviert die Anzeige der Windfahne bei Wetterstationen falls dieser Wert geliefert wurde.
- ☐
- **=====Show Temp=====** ☐
Aktiviert/Deaktiviert die Anzeige des Temperaturwerts bei Wetterstationen falls dieser geliefert wurde.
- ☐
- **=====Load Map Program=====** ☐

- **De-/Aktiviert das Kartenladeprogramm. Optional kann mit Klick auf das Menü das Ladeprogramm gewählt werden, wahlweise**
- **getosm "(Standard, aktiviert das externe Programm getosm.exe von OE5KRN)" ""*empfohlen""**
- **start sh map.sh "(Karten laden im Hintergrund)"**
- **sh qm.sh "(für Kartendownload aus dem Internet)"**
- **sh qm-hamnet.sh "(für Kartendownload aus dem HAMNET)"**
-
- **=====km/h Text=====**
- **Frei wählbarer Text der Einheit zur Geschwindigkeitsanzeige beweglicher Stationen. Default "km/h", kann zum Platzsparen bspw. gekürzt werden auf "km".**
-
- **=====Show Altitude min m=====**
-
- **=====Brightness Notmover=====**
-
- **=====Reset to Default=====**
-
- **=====Map Moving=====**
-
- **=====Colours, Font=====**
-
- **=====Callfilters=====**
-

- **====Watch Calls====**
-
- **====Reload Config====**
-
- **====Save Config====**
-
- **===Zoom===**
-
- **===Tools===**
- **====Toolbar Off====**

Deaktiviert die permanent angezeigte Toolbar. Danach lässt sich die Toolbar mit einem Klick auf die Karte dynamisch öffnen.
-
- **====On next Click====**
-
- **====List====**
-
- **====Choose Maps====**
-
- **====Find====**
-
- **====Radiolink====**
-
- **====Select Data====**
- **=====Symbol=====**

Bei aktivierter Anzeige (gekennzeichnet durch * neben SYMBOL) werden nur die ausgewählten Symbole angezeigt.

- Diese lassen sich per Klick auf die jeweiligen Symbole ein-/ausschalten (Mehrfachauswahl möglich). Mit Klick auf den Wortlaut SYMBOL lässt sich die gesamte Funktion ein-/ausschalten.

-

- =====Dimm Notmover=====

- Dimmt per Ein-/Ausschalter die sich nicht bewegend Stationen und Objekte gegenüber bspw. Mobilstationen deutlich ab.

-

- =====Rain Colourmap=====

-

- =====Temp Colourmap=====

- Zeigt eine Temperaturverteilung (ähnlich einer Isobarenkarte).
Shortcut 2x "w". Beenden der Colourmap Ansicht mit ESC oder erneut Taste w

-

- =====Add Maptypes=====

-

- =====Map directory=====

-

- =====Send Message=====

- Öffnet das Nachrichten Kontextmenü

-

- =====Animate=====

-

- ===Help===

- =====Version=====

- **Zeigt die aktuell installierte Version von APRSmap an.
Der Buchstabe in Klammer bezeichnet das Betriebssystem, gefolgt von der Versionsnummer der Software.**
- **aprsmap(w) 0.79 by OE5DXL**
-
- **====Helptext====**
- **Öffnet den programminternen Hilfekontext.**
-
-
- **[[DXL - APRSmap | << Zurück zur DXL-APRSmap Übersicht]]**

Aktuelle Version vom 9. August 2020, 23:41 Uhr

<https://oe2wao.info>

DXL - APRSmap operating und DXL - APRSmap englisch: Unterschied zwischen den Seiten

VisuellWikitext

Version vom 14. August 2021, 12:24 Uhr
(**Quelltext anzeigen**)

OE2WAO ([Diskussion](#) | [Beiträge](#))

Markierung: Visuelle Bearbeitung

Aktuelle Version vom 14. August 2021,
14:53 Uhr (**Quelltext anzeigen**)

OE2WAO ([Diskussion](#) | [Beiträge](#))

K

Markierung: Visuelle Bearbeitung

Zeile 1:

[[Kategorie:APRS]]

==Program start==

After downloading and saving locally, the `aprsmap.exe` program can also be started. A separate installation is not required.

Zeile 1:

[[Kategorie:APRS]]

[[Datei:Deutschland-flagge.gif | link=DXL - APRSmap]] Für die deutsche Version dieses Projekts [[DXL - APRSmap | >>hier klicken<<]]

[[Datei:Aprsmap-download.jpg | link=DXL - APRSmap Download]]

APRSmap is a new APRS client software by OE5DXL, which is based on the [http://www.osm.org OSM] map source. It allows a lot of features in only one program by a good usability. NO installation is required, just put it on a disk and start it!

[[Datei:Aprsmap.png]]

A lot of documentation work will have to be done soon !!

==Features==

- +
- + ***OpenSource and already compiled for windows and linux**
- + ***100% compliance with the current APRS protocol specifications**
- + ***No installation required, just copy and start**
- + ***No unnecessary menus, focus is on the representation**
- + ***IP-based, out-of-the-box network-ready in HAMNET and Internet**
- + ***Operations best controlled via shortcuts**
- + ***Local serial connection (TNC) possible - operating as an RF IGATE**
- + ***Several MapSources can be used. By default, this is OSM - OpenStreetMap**
- + ***Downloading map source on demand**
- + ***Track filter for delayed / late / repeated packets "f"**
- + ***Radio propagation calculation (since v0.36) "R"**
- + ***Animation of tracks with timeline "a"**
- + ***Animation of the temperature distribution "w"**
- + ***Messaging**
- +
- +
- + **==Installation==**
- + **After downloading the program you only have to extract the files into a subfolder of your program files folder, e.g. /APRSmap.
**
- + **No installation routine is required, just extract and run the aprsmap.exe**

	<div>+<div></div></div>
	<div>+<div></div></div>
	<div>+<div>==Operation manual and help==</div></div>
	<div>+<div>[[DXL - APRSmap operating >> <div>Operating instructions]] - the help in handling the program</div></div></div>
	<div>+<div></div></div>
<div></div>	<div></div>
<div>-<div>==Operation==</div></div>	
<div>-<div>===First steps===</div></div>	
<div></div>	<div></div>
<div>[[Datei:Aprsmap-1st-start.jpg]]</div>	<div>[[Datei:Aprsmap-1st-start.jpg]]</div>
<div>Zeile 74:</div>	<div>Zeile 106:</div>
<div>ctrl-V Paste</div>	<div>ctrl-V Paste</div>
<div></div>	<div></div>
<div>-<div>===Tips & tricks[[https://wiki.oevsv.at/w/index.php?title=DXL - APR Smap Bedienung&veaction=edit&section=5 Edit] [https://wiki.</div></div>	<div>+<div>==[[DXL - APRSmap Download Download]]==</div></div>

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-

+

[[Datei:Aprsmap-download.jpg | link=DX
L - APRSmap Download]]

-

* **Animation:** Click on the track of a
moving object (e.g. car) and press the
"a" key

-

* **Temperature distribution:** Two
times "w" (w + w) shows a color
distribution of the reported
temperatures (sensible min. Zoom
level 10 or less)

-

* The "0" (zero), ESC and ":" keys
often help if you want to have
everything displayed again after
clicking on the filter or similar.

-

* **"TAB"** key toggles between two
independent displays, similar to VFO
"A" and "B".

-

==Menus==

-

[[Datei:Aprsmap-conf-online.PNG]]

-

In addition to the main menus
explained in more detail below, the
menu offers further short menus on
the right.

-

**N Display or switching of the
network status, green means
connected, orange means not
connected or connection problems. If
the mouse pointer is moved over the
menu, the connection status appears
in the popup**

-

**1-4....Display or switch the UDP port
connections**

-

- **L display the log file data**
- **M View the saved messages**
- **F display or switching of the track filter (incorrect or implausible position packages)**
- **O display or switch the display of pure objects**
- **By the way, the mouse position display (green bar with coordinates) can be activated in the CONFIG> MAP PARAMETER> SHOW LOC OF MOUSE menu.**
-
- **===File===**
-
- **===Config===**
- **====Brightness=====**
- **Einstellen der jeweiligen Helligkeiten, Zeiten und Farben.
**
- **Time Fade Out - Zeit bis zum Verschwinden der Anzeige von Stationen nach Ablauf der Zeit zur Anzeige (s.nächster Punkt)**
- **Time full Bright - Zeit zur Anzeige empfangener Positionen**
- **Brightness Waypoint - Helligkeit der Wegstreckenpunkte**
- **Brightness Text - Helligkeit der Stationstexte**
- **Brightness Symbol - Helligkeit der angezeigten Symbole**
- **Gamma - Gammawert Einstellung der Karte**
- **Brightness Track - Helligkeit der Wegstrecke**
- **Brightness Map - Helligkeit der Karte**

– **Brightness Object - Helligkeit der
angezeigten Objekte**

–

– **====Online====**

– **Der Bereich ONLINE ist anfangs wohl
der wichtigste und notwendigste
Menüpunkt, welcher individuell
konfiguriert werden muss.
**

– **Grundsätzlich können schon beim
einfachen Start des Programms und
bestehender Datenverbindung andere
Stationen empfangen werden, auch
ohne Angabe des eigenen
Rufzeichens, der Position oder des
APRS-Passcode. Um jedoch "aktiv" im
APRS Netz zu agieren, und auch von
anderen Stationen gesehen und
erreicht werden zu können, müssen
diese Angaben entsprechend
eingegeben werden. "Der APRS
PASScode muss einmalig angefordert
werden. Dazu im Internet nach "APRS
PASSCODE Generator" suchen."**

–

– **=====My Call=====**

– **Hier gibt man das zu verwendende
Rufzeichen, optional mit SSID ein.**

– **(without SSID) Your primary station
usually fixed and message capable**

– **-1 generic additional station, digi,
mobile, wx, etc**

– **-2 generic additional station, digi,
mobile, wx, etc**

– **-3 generic additional station, digi,
mobile, wx, etc**

– **-4 generic additional station, digi,
mobile, wx, etc**

– **-5 Other networks (Dstar, iPhones,
Androids, Blackberry's etc)**

- **-6 Special activity, Satellite ops, camping or 6 meters, etc**
- **-7 walkie talkies, HT's or other human portable**
- **-8 boats, sailboats, RV's or second main mobile**
- **-9 Primary Mobile (usually message capable)**
- **-10 internet, Iqates, echolink, winlink, AVRS, APRN, etc**
- **-11 balloons, aircraft, spacecraft, etc**
- **-12 APRStt, DTMF, RFID, devices, one-way trackers*, etc**
- **-13 Weather stations**
- **-14 Truckers or generally full time drivers**
- **-15 generic additional station, digi, mobile, wx, etc**
-
- *** One-way trackers should best use the -12 one-way SSID indicator because the -9's usually mean a ham in full APRS communication both message and voice.**
- **The -9's can be contacted by APRS message or by Voice on his frequency included in his beacon, or on Voice Alert if he is in simplex range.**
- **The -12's are just moving Icons on the map and since they have no 2 way communication for ham radio they are not generally of routine interest to other operators.**
-
- **=====My Symbol=====**
- **Selbsterklärend**
-

– =====My Position=====

Um die eigene Position bei MY POSITION ohne größeren Suchaufwand und schnell einzutragen, einfach zuerst mit dem Zoom soweit in die MAP gehen (vorzugsweise ZOOMLEVEL 17), dass man seine eigene Position klar erkennen kann. Dann den Punkt CONFIG - ONLINE - MY POSITION öffnen und mit gehaltener SHIFT-Taste (Umschalttaste) per Mausklick die eigene Position bestimmen. Die Koordinaten werden dabei automatisch im Kontextmenü übernommen, und müssen nur mit OK bestätigt werden.

–

– =====Netbeacontext=====

Der hier eingestellte Text wird über die Netzwerkverbindung als Baketext gesendet.

–

– =====Passcode=====

Einen APRS PASSCODE braucht man zwar nicht zwingend für RX, aber zum Senden der eigenen Daten ist dieser Code unumgänglich. Diesen Code kann man mit Wartezeit im Netz beantragen, einfach per Suchmaschine nach APRS IS PASSCODE suchen.

–

– =====Server URL=====

als Server URL kann jeder APRS-Server eingetragen werden, der die Daten im richtigen Format zu Verfügung stellt.

–

zum Beispiel:

- **aprs.oe2x2r.ampr.at** (für Verbindungen im HAMNET)
- **austria.aprs2.net** (für Verbindung via Internet)
- Eine weitere Liste kann unter **<http://www.aprs2.net/serverstats.php>** gefunden werden.

- Der Standardport ist 14580, und muss nicht mit angegeben werden.
- Alternativports werden hinter der Adresse angegeben:
aprs.server.com:12345
- **=====Serverfilter=====**
- Vorschlag: **""m/100 p/OE -t/t""**

- Der Positionsfilter ist wie folgt aufgebaut [Position]/[Radius] z.B. **""m/100""** für Anzeige von Daten mit Radius 100km um die eigene Position.

- Um alle OE Stationen (bspw. mobil) auch außerhalb des definierten Radiusfilters angezeigt zu bekommen nutzt man **""p/OE""**.

- Und der meist unnötige Telemetrieverkehr wird mit **""-t/t""** gefiltert.

- **""TIP""**

- Einstellungen den Server betreffend werden erst bei einer Neuverbindung übernommen, dafür kann entweder die Serververbindung in der Menüleiste unter "N" getrennt und wiederhergestellt werden, oder man deaktiviert und aktiviert den entsprechenden Servereintrag unter "Config">"Online">"Connect Server".

- ☐
- **====Connect Server====** ☐
- **Aktiviert bzw. deaktiviert die Online-Verbindung.** ☐
- ☐
- ☐
- **====Allow TX to NET====** ☐
- **Aktiviert bzw. deaktiviert das Senden von (eigenen) Daten in das Online-Netzwerk.** ☐
- ☐
- ☐
- **====Allow Gate RF>NET====** ☐
- **Aktiviert bzw. deaktiviert die Weitergabe von lokal via HF gehörten APRS Daten in das Online-Netzwerk.** ☐
- ☐
- **====RF-Ports====** ☐
- ☐
- **====Timers====** ☐
- ☐
- **====Map Parameter====** ☐
- ☐
- **====Show Loc of Mouse====** ☐
- **Aktiviert/Deaktiviert die Anzeige der Koordinaten, Höhe und Entfernung des Mauszeigers auf der Karte.** ☐
- ☐
- **====Trackfilter====** ☐
- **Aktiviert/Deaktiviert die intelligente Filterfunktion für fehlerhafte bzw. unplausible Positionsdaten (bspw. lange Striche quer durch die APRS Karte; Hacken bzw. Zik-Zak im Track**

– als ob die Strecke mehrmals gefahren wurde -Radkappe verloren-, verursacht durch von Digis zeitlich massiv verzögert abgelieferten Paketen)

–

– =====Show Scaler=====

–

– =====Show Windvane=====

– Aktiviert/Deaktiviert die Anzeige der Windfahne bei Wetterstationen falls dieser Wert geliefert wurde.

–

– =====Show Temp=====

– Aktiviert/Deaktiviert die Anzeige des Temperaturwerts bei Wetterstationen falls dieser geliefert wurde.

–

– =====Load Map Program=====

– De-/Aktiviert das Kartenladeprogramm. Optional kann mit Klick auf das Menü das Ladeprogramm gewählt werden, wahlweise

– qetosm "(Standard, aktiviert das externe Programm qetosm.exe von OE5KRN)" ""*empfohlen""

– start sh map.sh "(Karten laden im Hintergrund)"

– sh qm.sh "(für Kartendownload aus dem Internet)"

– sh qm-hamnet.sh "(für Kartendownload aus dem HAMNET)"

–

– =====km/h Text=====

– **Frei wählbarer Text der Einheit zur Geschwindigkeitsanzeige beweglicher Stationen. Default "km/h", kann zum Platzsparen bspw. gekürzt werden auf "km".**

–

– **=====Show Altitude min m=====**

–

– **=====Brightness Notmover=====**

–

– **=====Reset to Default=====**

–

– **=====Map Moving=====**

–

– **=====Colours, Font=====**

–

– **=====Callfilters=====**

–

– **=====Watch Calls=====**

–

– **=====Reload Config=====**

–

– **=====Save Config=====**

–

– **===Zoom===**

–

– **===Tools===**

– **=====Toolbar Off=====**

– **Deaktiviert die permanent angezeigte Toolbar. Danach lässt sich die Toolbar mit einem Klick auf die Karte dynamisch öffnen.**

-
- **====On next Click=====**
-
- **====List=====**
-
- **====Choose Maps=====**
-
- **====Find=====**
-
- **====Radiolink=====**
-
- **====Select Data=====**
- **=====Symbol=====**

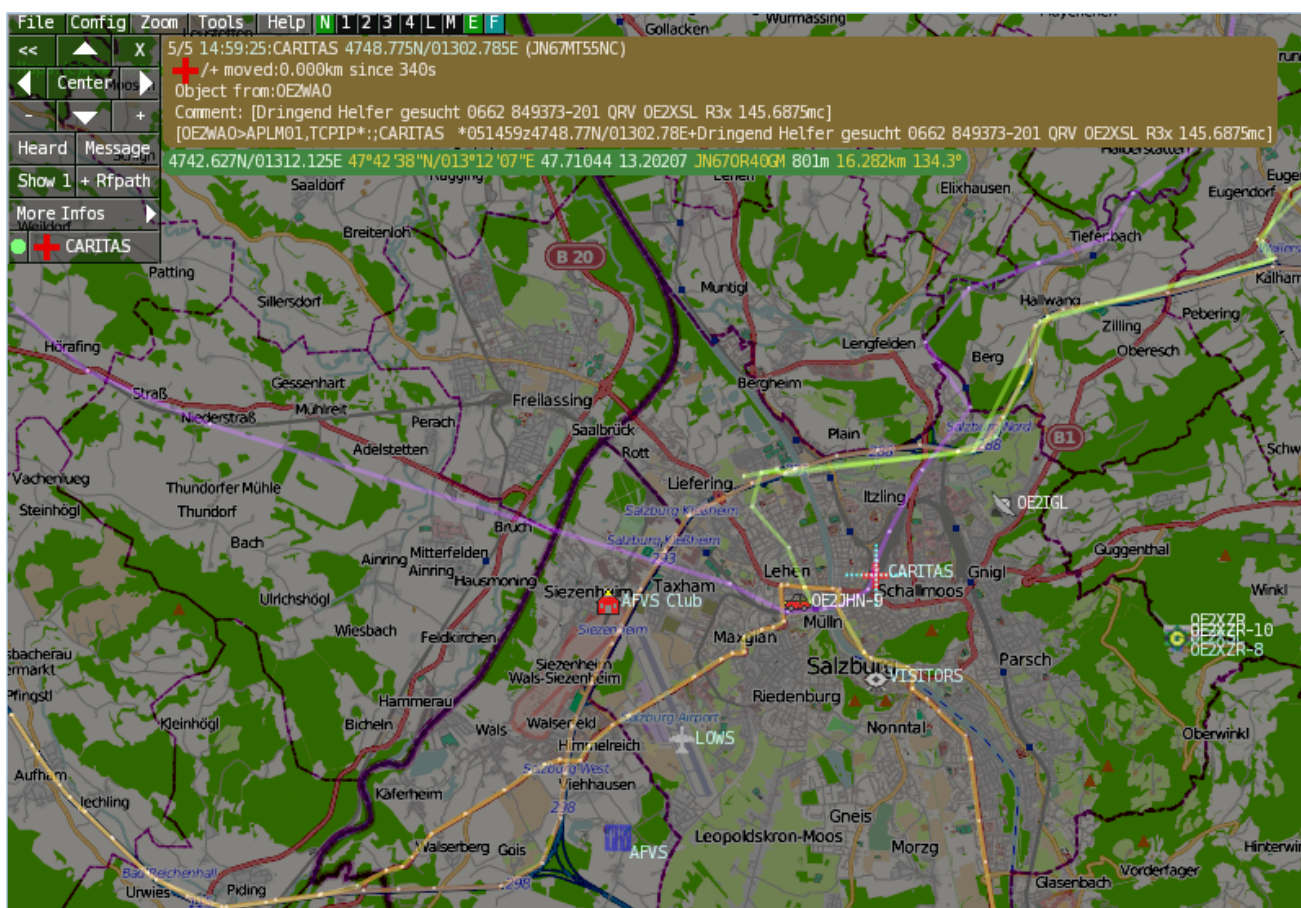
Bei aktivierter Anzeige (gekennzeichnet durch * neben SYMBOL) werden nur die ausgewählten Symbole angezeigt. Diese lassen sich per Klick auf die jeweiligen Symbole ein-/ausschalten (Mehrfachauswahl möglich). Mit Klick auf den Wortlaut SYMBOL lässt sich die gesamte Funktion ein-/ausschalten.
-
- **=====Dimm Notmover=====**

Dimmt per Ein-/Ausschalter die sich nicht bewegenden Stationen und Objekte gegenüber bspw. Mobilstationen deutlich ab.
-
- **=====Rain Colourmap=====**
-
- **=====Temp Colourmap=====**

- [[DXL - APRSmap Download | APRSmap Download]] - For Windows, Linux and ARM (Raspberry Pi)**
- ==Further operation manual==**

[+ more information is up to come](#)**Aktuelle Version vom 14. August 2021, 14:53 Uhr**Für die deutsche Version dieses Projekts [>>hier klicken<<](#)

APRSmap is a new APRS client software by OE5DXL, which is based on the [OSM](#) map source. It allows a lot of features in only one program by a good usability. NO installation is required, just put it on a disk and start it!



A lot of documentation work will have to be done soon !!

Inhaltsverzeichnis

1 Features	57
2 Installation	57
3 Operation manual and help	57
3.1 Shortcuts	58
4 Download	59

5 Further operation manual	59
----------------------------------	----

Features

- OpenSource and already compiled for windows and linux
- 100% compliance with the current APRS protocol specifications
- No installation required, just copy and start
- No unnecessary menus, focus is on the representation
- IP-based, out-of-the-box network-ready in HAMNET and Internet
- Operations best controlled via shortcuts
- Local serial connection (TNC) possible - operating as an RF IGATE
- Several MapSources can be used. By default, this is OSM - OpenStreetMap
- Downloading map source on demand
- Track filter for delayed / late / repeated packets "f"
- Radio propagation calculation (since v0.36) "R"
- Animation of tracks with timeline "a"
- Animation of the temperature distribution "w"
- Messaging

Installation

After downloading the program you only have to extract the files into a subfolder of your program files folder, e.g. /APRSmap.

No installation routine is required, just extract and run the aprsmap.exe

Operation manual and help

>> [Operating instructions](#) - the help in handling the program

APRSmap 1st Start

On the first start of the program it is necessary to do some configuration. The most important things you have to adjust are in the ONLINE menu. You best configure all steps from up till down.

- First of all you put in your callsign (MY CALLSIGN) with optional SSID
- Second step is to choose your desired APRS icon (MY SYMBOL)
- Next you will zoom to your QTH as far as you can, 100% identifying your home (zoom level >16). Then open ONLINE - MY POSITION and point to your home with the cursor. While push and hold the SHIFT key click on your home. The coordinates will be copied into the MY POSITION field. Just click OK to save them.
- Now you can set the SERVER URL by just inserting your favorite APRS IS. Click ADD to save this entry.

for example:
 aprs.oe2xzt.ampr.at (APRS IS connection via HAMNET)
 austria.aprs2.net (APRS IS connection via Internet)

- You also need to enter a valid APRS PASSCODE to transmit packets to the APRS network (not needed in case of only RX). Just do a internet search on APRS PASSCODE to find a possibility on getting your code.
- Last but not least you have to activate CONNECT SERVER to get data from an to the APRS network.

Shortcuts

```

: delete markers
@ reset <On Next Click> to menu mode
a Animate (Click to Map to set Parameters)
b or <Backspace> go back in position history
c Center (to last clicked Pixel)
d toggle (missing) map download
e toggle Errors only/All for stepping along a track with <>
f Junk Filter toggle on/off
h Heard (click symbol or text of igate before)
i Internal Status Listing
l toggle Labels on/off
m toggle dimm not moving since 10min
o toggle Objects/Items on/off
p toggle mouse-over Hints
q Quit Program
r toggle Radio tracks on/off
s toggle show only stations with a selected symbol
u toggle tx/rx-Monitor window on/off
w toggle WX stations and Temperature
x set Marker 1 to mouse position
y set Marker 2 and Line to Marker 1
B Open Beacon editor
C Enter Category of POI to be drawn on map
D Digi Config open/close
F Find Call (with wildcards * ?), Locator, Latitude/Longitude
H Altitude Colour Map (if srtm-Data available)
M Compose Message
R toggle Radiorange Map on/off
T toggle Timestamp
S Screenshot bpm (win), png (linux)
W Rain map (use topo or dark map)
< > Step along Beacons/Waypoints of a selected User
( ) Map Brightness +/- 5%
/ zoom to Marker 1-2 Square
\ shortcut list
~ change track colour
+ Zoom in - Zoom out
. zoom to track and show only this (clicked before)
= same as . but with radio tracks
0 show all (and radio tracks off)
1,2,3,4 Zoom/Pan to stored Views
7,8,9 use map type as configured
ESC close menus

```

```
Cursor up/down/left/right  move map, same as click near margin
SHIFT with up/down/left/right/[zoom+]/[zoom-]  in smaller steps
DEL    delete selected (Symbol, Waypoint)
TAB    switch between two Views
ctrl-L  Reset Image and Mouse parameters to default
ctrl-V  Paste
```

Download



[APRSmap Download](#) - For Windows, Linux and ARM (Raspberry Pi)

Further operation manual

more information is up to come

DXL - APRSmap operating: Unterschied zwischen den Versionen

[Versionsgeschichte interaktiv durchsuchen](#)

[Visuell Wikitext](#)

Version vom 14. August 2021, 12:24 Uhr
([Quelltext anzeigen](#))

[OE2WAO](#) ([Diskussion](#) | [Beiträge](#))

Markierung: [Visuelle Bearbeitung](#)

[← Zum vorherigen Versionsunterschied](#)

Aktuelle Version vom 14. August 2021, 14:49 Uhr ([Quelltext anzeigen](#))

[OE2WAO](#) ([Diskussion](#) | [Beiträge](#))

Markierung: 2017-Quelltext-Bearbeitung

(Eine dazwischenliegende Version desselben Benutzers wird nicht angezeigt)

Zeile 2:

==Program start==

After downloading and saving locally, the
""aprsmmap.exe"" program can **also** be
started. A separate installation is not
required.

==Operation==

Zeile 24:

===Shortcuts===

<nowiki>:</nowiki> delete markers

@ reset <On Next Click> to menu mode

Zeile 74:

ctrl-V Paste

=== **<span class="mw-headline" id="**
Tips .26 Tricks" style="box-sizing:
inherit;">Tips & tricks<span
class="mw-editsection" style="box-
sizing: inherit; user-select: none; font-
size: 12px; font-weight: normal;
margin-left: 1em; vertical-align:
baseline; line-height: 1em; display:

Zeile 2:

==Program start==

After downloading and saving locally, the
""aprsmmap.exe"" program can be started.
A separate installation is not required.

==Operation==

Zeile 24:

===Shortcuts===

Note, shortcut keys are case
sensitive!

<nowiki>:</nowiki> delete markers

@ reset <On Next Click> to menu mode

Zeile 75:

ctrl-V Paste

===Tips & tricks===

inline-block; white-space: nowrap;
 unicode-bidi: isolate; visibility:
 visible; opacity: 1; transition:
 visibility 0s ease 0s, opacity 0.5s
 linear 0s;"><span class="mw-
 editsection-bracket" style="color: rgb(
 84, 89, 93)">[[https://wiki.
 oevsv.at/w/index.php?title=DXL -
 APRSmap Bedienung&veaction=edit
 §ion=5 Edit] <span class="mw-
 editsection-divider" style="color: rgb(
 84, 89, 93)">| [https://wiki.oev
 sv.at/w/index.php?title=DXL -
 APRSmap Bedienung§ion=5&vea
 ction=editsource Edit source] <span
 class="mw-editsection-bracket" style=
 "color: rgb(84, 89, 93)">]<
 /span> ===

+

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-

* Animation: Click on the track of a
 moving object (e.g. car) and press the
 "a" key

* Temperature distribution: Two
 times "w" (w + w) shows a color
 distribution of the reported
 temperatures (sensible min. Zoom
 level 10 or less)

*Animation: Click on the track of a
 moving object (e.g. car) and press the
 "a" key

*Temperature distribution: Two times
 "w" (w + w) shows a color distribution
 of the reported temperatures (sensibl
 e min. Zoom level 10 or less)

*The "0" (zero), ESC and ":" keys often
 help if you want to have everything
 displayed again after clicking on the
 filter or similar.

*"TAB" key toggles between two
 independent displays, similar to VFO "
 A" and "B".

* The "0" (zero), ESC and ":" keys often help if you want to have everything displayed again after clicking on the filter or similar.

* "TAB" key toggles between two independent displays, similar to VFO "A" and "B".

==Menus==

Zeile 94:

===File===

==Menus==

Zeile 96:

===File===

+ =====Import Log=====

+ Import a complete logfile.

+

+ =====Screenshot=====

+ Save a screenshot in your local user directory, e.g. map1.bmp (Win10 user directories are in the User\AppData folder e.g. C:\Users\User\AppData\Local\VirtualStore\Program Files (x86)\APRSmap)

+

+ =====Make Video=====

+ Save a video from e.g. a moving object in .y4m raw video format.

+

+ =====Write Log=====

+ Choose the logfile directory.

+

+ =====Keep Log Days=====

+ Define the ammount of days logs are kept.

+

+ =====Quit=====

	+	Exit APRSmap, shortcut key is q.
====Config====		====Config====
=====Brightness=====		=====Brightness=====
- Einstellen der jeweiligen Helligkeiten, Zeiten und Farben.
	+	Setting the respective brightness, times and colors.
- Time Fade Out - Zeit bis zum Verschwinden der Anzeige von Stationen nach Ablauf der Zeit zur Anzeige (s.nächster Punkt)	+	Time Fade Out - time until the display of stations disappears after the time for display (full brightness) has expired
- Time full Bright - Zeit zur Anzeige empfangener Positionen	+	Time full Bright - time to display received positions
- Brightness Waypoint - Helligkeit der Wegstreckenpunkte	+	Brightness Waypoint - Brightness of the waypoint points
- Brightness Text - Helligkeit der Stationstexte	+	Brightness Text - Brightness of the station texts
- Brightness Symbol - Helligkeit der angezeigten Symbole	+	Brightness Symbol - the brightness of the symbols displayed
- Gamma - Gammawert Einstellung der Karte	+	Gamma - Gamma value setting of the card
- Brightness Track - Helligkeit der Wegstrecke	+	Brightness Track - the brightness of the route
- Brightness Map - Helligkeit der Karte	+	Brightness Map - the brightness of the map
- Brightness Object - Helligkeit der angezeigten Objekte	+	Brightness Object - the brightness of the objects displayed
=====Online=====		=====Online=====
- Der Bereich ONLINE ist anfangs wohl der wichtigste und notwendigste Menüpunkt, welcher individuell konfiguriert werden muss.
	+	The ONLINE area is initially the most important and necessary menu item, which has to be configured individually.
- Grundsätzlich können schon beim einfachen Start des Programms und bestehender Datenverbindung andere Stationen empfangen werden, auch ohne Angabe des eigenen Rufzeichens		<u>Basically, when the program is simply started and a data connection is established, other stations can be receive even without specifying your own callsign, position or APRS passcod

<p>– , der Position oder des APRS-Passcode. Um jedoch "aktiv" im APRS Netz zu agieren, und auch von anderen Stationen gesehen und erreicht werden zu können, müssen diese Angaben entsprechend eingegeben werden. "Der APRS PASScode muss einmalig angefordert werden. Dazu im Internet nach "APRS PASSCODE Generator" suchen."</p>	<p>+ e (RX only mode)</u>. However, in order to act "actively" in the APRS network and to be seen and reached by other stations, this information must be entered accordingly. The "APRS PASScode" must be requested once. To do this, search for ""APRS PASSCODE Generator"" on the Internet.</p>
<p>=====My Call=====</p>	<p>=====My Call=====</p>
<p>– Hier gibt man das zu verwendende Rufzeichen, optional mit SSID ein.</p> <p>(without SSID) Your primary station usually fixed and message capable</p> <p>-1 generic additional station, digi, mobile, wx, etc</p>	<p>+ Here you enter the callsign to be used, optionally with SSID.</p> <p>(without SSID) Your primary station usually fixed and message capable</p> <p>-1 generic additional station, digi, mobile, wx, etc</p>
<p>Zeile 136:</p> <p>=====My Symbol=====</p>	<p>Zeile 155:</p> <p>=====My Symbol=====</p>
<p>– Selbsterklärend</p> <p>=====My Position=====</p> <p>Um die eigene Position bei MY POSITION ohne größeren Suchaufwand und schnell einzutragen, einfach zuerst mit dem Zoom soweit in die MAP gehen (vorzugsweise ZOOMLEVEL 17), dass man seine eigene Position klar erkennen kann. Dann den Punkt CONFIG - ONLINE - MY POSITION öffnen und mit gehaltener SHIFT-Taste (Umschalttaste) per Mausklick die eigene Position bestimmen. Die Koordinaten werden dabei automatisch im Kontextmenü übernommen, und müssen nur mit OK bestätigt werden.</p>	<p>+ Self-explanatory</p> <p>=====My Position=====</p> <p>In order to enter your own position in MY POSITION quickly and without any major search effort, simply go first with the zoom into the MAP (preferably ZOOMLEVEL 17) so that you can clearly see your own position. Then open the CONFIG - ONLINE - MY POSITION item and click the SHIFT key to determine your own position. The coordinates are automatically adopted in the context menu and only need to be confirmed with OK.</p>

=====Netbeacontext=====

- Der hier eingestellte Text wird über die Netzwerkverbindung als **Bakentext** gesendet.

=====Passcode=====

- Einen APRS PASSCODE braucht man zwar nicht zwingend für RX, aber zum Senden der eigenen Daten ist dieser Code unumgänglich. Diesen Code kann man mit Wartezeit im Netz beantragen, einfach per Suchmaschine nach APRS IS PASSCODE suchen.

=====Netbeacontext=====

The text set here is sent as beacon text via the network connection.

=====Passcode=====

An APRS PASSCODE is not absolutely necessary for RX, but this code is essential for sending your own data. You can apply for this code online with a waiting period, simply search for APRS IS PASSCODE using the search engine.

=====Server URL=====

Any APRS server that provides the data in the correct format can be entered as the server URL.

for example:

aprs.oe2xzt.ampr.at (for connections via HAMNET)

austria.aprs2.net (for connections via Internet)

Another list can be found at <http://www.aprs2.net/serverstats.php>.

=====Server URL=====

- als Server URL kann jeder APRS-Server eingetragen werden, der die Daten im richtigen Format zu Verfügung stellt.

- zum Beispiel:

- aprs.oe2xzt.ampr.at (für Verbindungen im HAMNET)

The standard port is 14580 and does not have to be specified.

Alternative ports are given after the address:

– **austria.aprs2.net (für Verbindung via Internet)**

– **Eine weitere Liste kann unter <http://www.aprs2.net/serverstats.php> gefunden werden.**

– **Der Standardport ist 14580, und muss nicht mit angegeben werden.**

– **Alternativports werden hinter der Adresse angegeben:**

aprs.server.com:12345

aprs.server.com:12345

====Serverfilter====

====Serverfilter====

– **Vorschlag: `""m/100 p/OE -t/t""`**

+

Suggestion: `" ""m / 100 p / OE -t / t""`

– **Der Positionsfilter ist wie folgt aufgebaut [Position]/[Radius] z.B. `""m /100""` für Anzeige von Daten mit Radius 100km um die eigene Position.**

+

– **Um alle OE Stationen (bspw. mobil) auch außerhalb des definierten Radiusfilters angezeigt zu bekommen nutzt man `""p/OE""`.**

+

The position filter is structured as follows [Position] / [Radius] eq `" ""m / 100""` for displaying data with a radius of 100km around your own position.

– **Und der meist unnötige Telemetrieverkehr wird mit `""-t/t""` gefiltert.**

– **`""TIP""`**

+

`" ""P / OE""` is used to display all OE stations (e.g. mobile) outside the defined radius filter .

– **Einstellungen den Server betreffend werden erst bei einer Neuverbindung übernommen, dafür kann entweder die Serververbindung in der Menüleiste unter "N" getrennt und wiederhergestellt werden, oder man deaktiviert und aktiviert den entsprechenden Servereintrag unter "Config">"Online">"Connect Server".**

+

		+ And the mostly unnecessary telemetry traffic is filtered with " '"-t / t'" ".	
		+	
		+ "'TIP'"	
		+	
		settings relating to the server are only adopted when a new connection is made, for this the server connection can either be	
		+ disconnected and re-established in the menu bar under "N", or the corresponding server entry can be deactivated and activated under "Config"> "Online"> "Connect Server" .	
		+ 	
		=====Connect Server=====	
-	Aktiviert bzw. deaktiviert die Online-Verbindung.	+	Activates or deactivates the online connection.
-			
		=====Allow TX to NET=====	
-	Aktiviert bzw. deaktiviert das Senden von (eigenen) Daten in das Online-Netzwerk.	+	Activates or deactivates the sending of (own) data to the online network.
-			
		=====Allow Gate RF>NET=====	
-	Aktiviert bzw. deaktiviert die Weitergabe von lokal via HF gehörten APRS Daten in das Online-Netzwerk.	+	Activates or deactivates the forwarding of APRS data heard locally via HF in the online network.
		=====RF-Ports=====	
Zeile 184:		Zeile 205:	

=====Show Loc of Mouse=====	=====Show Loc of Mouse=====
- Aktiviert/Deaktiviert die Anzeige der Koordinaten, Höhe und Entfernung des Mauszeigers auf der Karte.	+ Activates / deactivates the display of the coordinates, height and distance of the mouse pointer on the map.
=====Trackfilter=====	=====Trackfilter=====
- Aktiviert/Deaktiviert die intelligente Filterfunktion für fehlerhafte bzw. unplaussible Positionsdaten (bspw. lange Striche quer durch die APRS Karte; Hacken bzw. Zik-Zak im Track als ob die Strecke mehrmals gefahren wurde - Radkappe verloren-, verursacht durch von Digis zeitlich massiv verzögert abgelieferten Paketen)	+ Activates / deactivates the intelligent filter function for incorrect or implausible position data (e.g. long lines across the APRS map; chopping or zik-zak in the track as if the route was driven several times - wheel cap lost - caused by a massive delay from Digis delivered packages)
=====Show Scaler=====	=====Show Scaler=====
=====Show Windvane=====	=====Show Windvane=====
- Aktiviert/Deaktiviert die Anzeige der Windfahne bei Wetterstationen falls dieser Wert geliefert wurde.	+ Activates / deactivates the display of the wind vane at weather stations if this value was supplied.
=====Show Temp=====	=====Show Temp=====
- Aktiviert/Deaktiviert die Anzeige des Temperaturwerts bei Wetterstationen falls dieser geliefert wurde.	+ Activates / deactivates the display of the temperature value at weather stations if this has been delivered.
=====Load Map Program=====	=====Load Map Program=====
- De-/Aktiviert das Kartenladeprogramm. Optional kann mit Klick auf das Menü das Ladeprogramm gewählt werden, wahlweise	+ Deactivates / activates the card loader. Optionally, the loading program can be selected by clicking on the menu, optionally
- getosm "(Standard, aktiviert das externe Programm getosm.exe von OE5 KRN)" ""*empfohlen""	+ getosm "(standard, activates the external program getosm.exe from OE5 KRN)" ""*recommended""

-	start sh map.sh "(Karten laden im Hintergrund)"	+	start sh map.sh "(loading maps in the background)"
-	sh qm.sh "(für Kartendownload aus dem Internet)"	+	sh qm.sh "(for map download from the Internet)"
-	sh qm-hamnet.sh "(für Kartendownload aus dem HAMNET)"	+	sh qm-hamnet.sh "(for map download from HAMNET)"
	=====km/h Text=====		=====km/h Text=====
-	Frei wählbarer Text der Einheit zur Geschwindigkeitsanzeige beweglicher Stationen. Default "km/h", kann zum Platzsparen bspw. gekürzt werden auf "km".	+	Freely selectable text of the unit for displaying the speed of moving stations. Default "km / h", can be shortened to "km", for example, to save space.
-			
	=====Show Altitude min m=====		=====Show Altitude min m=====
Zeile 229:		Zeile 249:	
	===Tools===		===Tools===
	=====Toolbar Off=====		=====Toolbar Off=====
-	Deaktiviert die permanent angezeigte Toolbar. Danach lässt sich die Toolbar mit einem Klick auf die Karte dynamisch öffnen.	+	Deactivates the permanently displayed toolbar. The toolbar can then be opened dynamically with a click on the map.
-			
	=====On next Click=====		=====On next Click=====
Zeile 236:		Zeile 255:	
	=====Choose Maps=====		=====Choose Maps=====
		+	
		+	=====Reload=====
		+	
		+	=====Download=====
		+	

<p>– Zeigt eine Temperaturverteilung (ähnlich einer Isobarenkarte). Shortcut 2x "w". Beenden der Colourmap Ansicht mit ESC oder erneut Taste w</p>	<p>+ Shows a temperature distribution (similar to an isobar map). Shortcut 2x "w". Exit the Colourmap view with ESC or key w again</p>
<p>=====Add Maptypes=====</p>	<p>+ + =====WX Stations===== + + =====Show POI===== + + =====Show All===== + =====Add Maptypes=====</p>
<p>Zeile 258:</p> <p>=====Send Message=====</p> <p>– Öffnet das Nachrichten Kontextmenü</p> <p>=====Animate=====</p>	<p>Zeile 296:</p> <p>=====Send Message=====</p> <p>+ Opens the message context menu</p> <p>=====Animate=====</p>
<p>Zeile 264:</p> <p>====Help====</p> <p>=====Version=====</p> <p>– Zeigt die aktuell installierte Version von APRSmap an.
Der Buchstabe in Klammer bezeichnet das Betriebssystem, gefolgt von der Versionsnummer der Software.</p> <p>aprsmmap(w) 0.79 by OE5DXL</p> <p>=====Helptext=====</p> <p>– Öffnet den programminternen Hilfekontext.</p>	<p>Zeile 302:</p> <p>====Help====</p> <p>=====Version=====</p> <p>+ Shows the currently installed version of APRSmap.</p> <p>+ The letter in brackets indicates the operating system, followed by the version number of the software.</p> <p>aprsmmap(w) 0.79 by OE5DXL</p> <p>=====Helptext=====</p> <p>+ Opens the program-internal help context.</p>

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
- [[DXL - APRSmap << Zurück zur DXL-APRSmap Übersicht]]	+ [[DXL - APRSmap englisch << Back to D XL - APRSmap overview]]

Aktuelle Version vom 14. August 2021, 14:49 Uhr

Inhaltsverzeichnis

1 Program start	74
2 Operation	74
2.1 First steps	74
2.2 Shortcuts	74
2.3 Tips & tricks	75
3 Menus	76
3.1 File	76
3.1.1 Import Log	76
3.1.2 Screenshot	76
3.1.3 Make Video	76
3.1.4 Write Log	76
3.1.5 Keep Log Days	77
3.1.6 Quit	77
3.2 Config	77
3.2.1 Brightness	77
3.2.2 Online	77
3.2.2.1 My Call	77
3.2.2.2 My Symbol	78
3.2.2.3 My Position	78
3.2.2.4 Netbeacontext	78
3.2.2.5 Passcode	78
3.2.2.6 Server URL	78
3.2.2.7 Serverfilter	78
3.2.2.8 Connect Server	79
3.2.2.9 Allow TX to NET	79
3.2.2.10 Allow Gate RF>NET	79
3.2.3 RF-Ports	79
3.2.4 Timers	79
3.2.5 Map Parameter	79
3.2.5.1 Show Loc of Mouse	79
3.2.5.2 Trackfilter	79
3.2.5.3 Show Scaler	79

3.2.5.4 Show Windvane	79
3.2.5.5 Show Temp	80
3.2.5.6 Load Map Program	80
3.2.5.7 km/h Text	80
3.2.5.8 Show Altitude min m	80
3.2.5.9 Brightness Notmover	80
3.2.5.10 Reset to Default	80
3.2.6 Map Moving	80
3.2.7 Colours, Font	80
3.2.8 Callfilters	80
3.2.9 Watch Calls	80
3.2.10 Reload Config	80
3.2.11 Save Config	80
3.3 Zoom	80
3.4 Tools	80
3.4.1 Toolbar Off	80
3.4.2 On next Click	81
3.4.3 List	81
3.4.4 Choose Maps	81
3.4.4.1 Reload	81
3.4.4.2 Download	81
3.4.4.3 tiles_quest	81
3.4.4.4 tiles_sat	81
3.4.4.5 tiles_cyclemap [9]	81
3.4.4.6 tiles_topo [8]	81
3.4.4.7 tiles [7]	81
3.4.5 Find	81
3.4.6 Radiolink	81
3.4.7 Select Data	81
3.4.7.1 Symbol	81
3.4.7.2 Dimm Notmover	81
3.4.7.3 Rain Colourmap	81
3.4.7.4 Temp Colourmap	81
3.4.7.5 WX Stations	82
3.4.7.6 Show POI	82
3.4.7.7 Show All	82
3.4.8 Add Maptypes	82
3.4.9 Map directory	82
3.4.10 Send Message	82
3.4.11 Animate	82
3.5 Help	82
3.5.1 Version	82
3.5.2 Helptext	82

Program start

After downloading and saving locally, the **aprsmap.exe** program can be started. A separate installation is not required.

Operation

First steps

APRSmap 1st Start

On the first start of the program it is necessary to do some configuration. The most important things you have to adjust are in the ONLINE menu. You best configure all steps from up till down.

- First of all you put in your callsign (MY CALLSIGN) with optional SSID
- Second step is to choose your desired APRS icon (MY SYMBOL)
- Next you will zoom to your QTH as far as you can, 100% identifying your home (zoom level >16). Then open ONLINE - MY POSITION and point to your home with the cursor. While push and hold the SHIFT key click on your home. The coordinates will be copied into the MY POSITION field. Just click OK to save them.
- Now you can set the SERVER URL by just inserting your favorite APRS IS. Click ADD to save this entry.

for example:

aprs.oe2xzt.ampr.at (APRS IS connection via HAMNET)
austria.aprs2.net (APRS IS connection via Internet)

- You also need to enter a valid APRS PASSCODE to transmit packets to the APRS network (not needed in case of only RX). Just do a internet search on APRS PASSCODE to find a possibility on getting your code.
- Last but not least you have to activate CONNECT SERVER to get data from an to the APRS network.

Shortcuts

Note, shortcut keys are case sensitive!

```
: delete markers
@ reset <On Next Click> to menu mode
a Animate (Click to Map to set Parameters)
b or <Backspace> go back in position history
c Center (to last clicked Pixel)
d toggle (missing) map download
e toggle Errors only/All for stepping along a track with <>
f Junk Filter toggle on/off
h Heard (click symbol or text of igate before)
i Internal Status Listing
l toggle Labels on/off
m toggle dimm not moving since 10min
o toggle Objects/Items on/off
p toggle mouse-over Hints
q Quit Program
```

```

r  toggle Radio tracks on/off
s  toggle show only stations with a selected symbol
u  toggle tx/rx-Monitor window on/off
w  toggle WX stations and Temperature
x  set Marker 1 to mouse position
y  set Marker 2 and Line to Marker 1
B  Open Beacon editor
C  Enter Category of POI to be drawn on map
D  Digi Config open/close
F  Find Call (with wildcards * ?), Locator, Latitude/Longitude
H  Altitude Colour Map (if srtm-Data available)
M  Compose Message
R  toggle Radiorange Map on/off
T  toggle Timestamp
S  Screenshot bpm (win), png (linux)
W  Rain map (use topo or dark map)
< > Step along Beacons/Waypoints of a selected User
( )  Map Brightness +/- 5%
/    zoom to Marker 1-2 Square
\    shortcut list
~    change track colour
+    Zoom in - Zoom out
.    zoom to track and show only this (clicked before)
=    same as . but with radio tracks
0    show all (and radio tracks off)
1,2,3,4 Zoom/Pan to stored Views
7,8,9 use map type as configured
ESC  close menus
Cursor up/down/left/right move map, same as click near margin
SHIFT with up/down/left/right/[zoom+]/[zoom-] in smaller steps
DEL  delete selected (Symbol, Waypoint)
TAB  switch between two Views
ctrl-L Reset Image and Mouse parameters to default
ctrl-V Paste

```

Tips & tricks

- Animation: Click on the track of a moving object (e.g. car) and press the "a" key
- Temperature distribution: Two times "w" (w + w) shows a color distribution of the reported temperatures (sensible min. Zoom level 10 or less)
- The "0" (zero), ESC and ":" keys often help if you want to have everything displayed again after clicking on the filter or similar.
- "TAB" key toggles between two independent displays, similar to VFO "A" and "B".

Menus



In addition to the main menus explained in more detail below, the menu offers further short menus on the right.

N Display or switching of the network status, green means connected, orange means not connected or connection problems. If the mouse pointer is moved over the menu, the connection status appears in the popup
 1-4....Display or switch the UDP port connections
 L display the log file data
 M View the saved messages
 F display or switching of the track filter (incorrect or implausible position packages)
 O display or switch the display of pure objects

By the way, the mouse position display (green bar with coordinates) can be activated in the CONFIG> MAP PARAMETER> SHOW LOC OF MOUSE menu.

File

Import Log

Import a complete logfile.

Screenshot

Save a screenshot in your local user directory, e.g. map1.bmp (Win10 user directories are in the User\AppData folder e.g. C:\Users\User\AppData\Local\VirtualStore\Program Files (x86)\APRSmap)

Make Video

Save a video from e.g. a moving object in .y4m raw video format.

Write Log

Choose the logfile directory.

Keep Log Days

Define the ammount of days logs are kept.

Quit

Exit APRSmap, shortcut key is q.

Config

Brightness

Setting the respective brightness, times and colors.

```
Time Fade Out - time until the display of stations disappears after the time
for display (full brightness) has expired
Time full Bright - time to display received positions
Brightness Waypoint - Brightness of the waypoint points
Brightness Text - Brightness of the station texts
Brightness Symbol - the brightness of the symbols displayed
Gamma - Gamma value setting of the card
Brightness Track - the brightness of the route
Brightness Map - the brightness of the map
Brightness Object - the brightness of the objects displayed
```

Online

The ONLINE area is initially the most important and necessary menu item, which has to be configured individually. Basically, when the program is simply started and a data connection is established, other stations can be receive even without specifying your own callsign, position or APRS passcode (RX only mode). However, in order to act "actively" in the APRS network and to be seen and reached by other stations, this information must be entered accordingly. The *APRS PASScode* must be requested once. To do this, search for "*APRS PASSCODE Generator*" on the Internet.

My Call

Here you enter the callsign to be used, optionally with SSID.

```
(without SSID) Your primary station usually fixed and message capable
-1 generic additional station, digi, mobile, wx, etc
-2 generic additional station, digi, mobile, wx, etc
-3 generic additional station, digi, mobile, wx, etc
-4 generic additional station, digi, mobile, wx, etc
-5 Other networks (Dstar, Iphones, Androids, Blackberry's etc)
-6 Special activity, Satelllite ops, camping or 6 meters, etc
-7 walkie talkies, HT's or other human portable
-8 boats, sailboats, RV's or second main mobile
-9 Primary Mobile (usually message capable)
-10 internet, Igates, echolink, winlink, AVRS, APRN, etc
-11 balloons, aircraft, spacecraft, etc
-12 APRStt, DTMF, RFID, devices, one-way trackers*, etc
-13 Weather stations
-14 Truckers or generally full time drivers
-15 generic additional station, digi, mobile, wx, etc
```

* One-way trackers should best use the -12 one-way SSID indicator because the -9's usually mean a ham in full APRS communication both message and voice. The -9's can be contacted by APRS message or by Voice on his frequency included in his beacon, or on Voice Alert if he is in simplex range. The -12's are just moving Icons on the map and since they have no 2 way communication for ham radio they are not generally of routine interest to other operators.

My Symbol

Self-explanatory

My Position

In order to enter your own position in MY POSITION quickly and without any major search effort, simply go first with the zoom into the MAP (preferably ZOOMLEVEL 17) so that you can clearly see your own position. Then open the CONFIG - ONLINE - MY POSITION item and click the SHIFT key to determine your own position. The coordinates are automatically adopted in the context menu and only need to be confirmed with OK.

Netbeacontext

The text set here is sent as beacon text via the network connection.

Passcode

An APRS PASSCODE is not absolutely necessary for RX, but this code is essential for sending your own data. You can apply for this code online with a waiting period, simply search for APRS IS PASSCODE using the search engine.

Server URL

Any APRS server that provides the data in the correct format can be entered as the server URL.

for example:
aprs.oe2xzt.ampr.at (for connections via HAMNET)
austria.aprs2.net (for connections via Internet)

Another list can be found at <http://www.aprs2.net/serverstats.php> .

The standard port is 14580 and does not have to be specified.

Alternative ports are given after the address:
aprs.server.com:12345

Serverfilter

Suggestion: " **m / 100 p / OE -t / t** "

The position filter is structured as follows [Position] / [Radius] eg " **m / 100** " for displaying data with a radius of 100km around your own position.

" **P / OE** " is used to display all OE stations (e.g. mobile) outside the defined radius filter .

And the mostly unnecessary telemetry traffic is filtered with " **-t / t** ".

TIP

settings relating to the server are only adopted when a new connection is made, for this the server connection can either be disconnected and re-established in the menu bar under "N", or the corresponding server entry can be deactivated and activated under "Config"> "Online"> "Connect Server" .

Connect Server

Activates or deactivates the online connection.

Allow TX to NET

Activates or deactivates the sending of (own) data to the online network.

Allow Gate RF>NET

Activates or deactivates the forwarding of APRS data heard locally via HF in the online network.

RF-Ports

Timers

Map Parameter

Show Loc of Mouse

Activates / deactivates the display of the coordinates, height and distance of the mouse pointer on the map.

Trackfilter

Activates / deactivates the intelligent filter function for incorrect or implausible position data (e.g. long lines across the APRS map; chopping or zik-zak in the track as if the route was driven several times - wheel cap lost - caused by a massive delay from Digis delivered packages)

Show Scaler

Show Windvane

Activates / deactivates the display of the wind vane at weather stations if this value was supplied.

Show Temp

Activates / deactivates the display of the temperature value at weather stations if this has been delivered.

Load Map Program

Deactivates / activates the card loader. Optionally, the loading program can be selected by clicking on the menu, optionally

```
getosm (standard, activates the external program getosm.exe from OE5KRN)  *  
recommended  
start sh map.sh (loading maps in the background)  
sh gm.sh (for map download from the Internet)  
sh gm-hamnet.sh (for map download from HAMNET)
```

km/h Text

Freely selectable text of the unit for displaying the speed of moving stations. Default "km / h", can be shortened to "km", for example, to save space.

Show Altitude min m

Brightness Notmover

Reset to Default

Map Moving

Colours, Font

Callfilters

Watch Calls

Reload Config

Save Config

Zoom

Tools

Toolbar Off

Deactivates the permanently displayed toolbar. The toolbar can then be opened dynamically with a click on the map.

On next Click

List

Choose Maps

Reload

Download

tiles_quest

tiles_sat

tiles_cyclemap [9]

tiles_topo [8]

tiles [7]

Find

Radiolink

Select Data

Symbol

When the display is activated (marked by * next to SYMBOL) only the selected symbols are displayed. These can be switched on / off by clicking on the respective symbols (multiple selection possible). The entire function can be switched on / off by clicking on the wording SYMBOL.

Dimm Notmover

With the on / off switch, it clearly dims the stationary stations and objects in relation to, for example, mobile stations.

Rain Colourmap

Temp Colourmap

Shows a temperature distribution (similar to an isobar map). Shortcut 2x "w". Exit the Colourmap view with ESC or key w again

WX Stations

Show POI

Show All

Add Maptypes

Map directory

Send Message

Opens the message context menu

Animate**Help****Version**

Shows the currently installed version of APRSmap. The letter in brackets indicates the operating system, followed by the version number of the software.

```
aprsmap(w) 0.79 by OE5DXL
```

Helptext

Opens the program-internal help context.

[<< Back to DXL - APRSmap overview](#)