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DXL - APRSmap operating

Versionsgeschichte interaktiv durchsuchen
VisuellWikitext

Version vom 14. August 2021, 11:24 Uhr (Quelltext anzeigen) OE2WAO (Diskussion | Beiträge) Markierung: Visuelle Bearbeitung ← Zum vorherigen Versionsunterschied	**Version vom 14. August 2021, 13:42 Uhr (Quelltext anzeigen)** OE2WAO (Diskussion | Beiträge) Markierung: Visuelle Bearbeitung Zum nächsten Versionsunterschied →
Zeile 2:	**Zeile 2:**
==Program start==	==Program start==
− After downloading and saving locally, the '''aprsmap.exe''' program can **also** be started. A separate installation is not required.	+ After downloading and saving locally, the '''aprsmap.exe''' program can be started. A separate installation is not required.
==Operation==	==Operation==
Zeile 24:	**Zeile 24:**
===Shortcuts===	===Shortcuts===
	+ **Note, shortcut keys are case sensitive!**
<nowiki>:</nowiki> delete markers	<nowiki>:</nowiki> delete markers
@ reset <On Next Click> to menu mode	@ reset <On Next Click> to menu mode
Zeile 74:	**Zeile 75:**
ctrl-V Paste	ctrl-V Paste
=== 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; unicode-bidi: isolate; visibility:	===Tips & tricks===

−	**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 &section=5 Edit] | [https://wiki.oevsv.at/w/index.php?title=DXL - APRSmap Bedienung&section=5&veaction=editsource Edit source]]** ===	+	
−	* Animation: Click on the track of a moving object (e.g. car) and press the "a" key	+	*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)	+	*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.	+	*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".	+	*"TAB" key toggles between two independent displays, similar to VFO "A" and "B".
	==Menus==		==Menus==

Zeile 94: **Zeile 95:**

	===File===		===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, 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.''**	**<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 **passcode (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.**
=====My Call=====	=====My Call=====
Hier gibt man das zu verwendende Rufzeichen, optional mit SSID **ein.**	**Here you enter the callsign to be used, optionally with** SSID.
(without SSID) Your primary station usually fixed and message capable	(without SSID) Your primary station usually fixed and message capable
-1 generic additional station, digi, mobile, wx, etc	-1 generic additional station, digi, mobile, wx, etc

Zeile 136:	Zeile 154:
=====My Symbol=====	=====My Symbol=====
− **Selbsterklärend**	+ **Self-explanatory**
=====My Position=====	=====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**.	+ **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=====	=====Netbeacontext=====
− **Der hier eingestellte Text wird über die Netzwerkverbindung als Bakentext gesendet**.	+ **The text set here is sent as beacon text via the network connection**.
=====Passcode=====	=====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**.	+ **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=====**

	+ **Anv APRS server that provides the data in the correct format can be entered as the server URL.**
	+ **for example:**
	+ **aprs.oe2xzr.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=====**	+ **The standard port is** 14580 **and does not have to be specified**.
– **als Server URL kann jeder APRS-Server eingetragen werden, der die Daten im richtigen Format zu Verfügung stellt.**	+ **Alternative ports are given after the address**:
– **zum Beispiel:**	
– **aprs.oe2xzr.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	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'''. **	
**Und der meist unnötige Telemetrieverkehr wird mit "'''-t/t''' gefiltert. **	
'''TIP'''** **	**The position filter is structured as follows [Position] / [Radius] eg " '''m / 100''' " for displaying data with a radius of 100km around your own position.**
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".	
	" '''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=====	=====Connect Server=====
– **Aktiviert bzw. deaktiviert die Online-Verbindung.**	+ **Activates or deactivates the online connection**.
–	
=====Allow TX to NET=====	=====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=====	=====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====	====RF-Ports====

Zeile 184: **Zeile 204:**

=====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. 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**)	**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 gm.sh ''(**für Kartendownload aus dem** Internet)''	sh gm.sh ''(**for map download from the** Internet)''
sh gm-hamnet.sh ''(**für Kartendownload aus dem** HAMNET)''	sh gm-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 248:**

	===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 243: **Zeile 261:**

	====Select Data====	====Select Data====
	=====Symbol=====	=====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** .	+ **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=====	=====Dimm Notmover=====
−	**Dimmt per Ein-/Ausschalter die sich nicht bewegenden Stationen und Objekte gegenüber bspw. Mobilstationen deutlich ab**.	+ **With the on / off switch, it clearly dims the stationary stations and objects in relation to, for example, mobile stations**.

=====Rain Colourmap=====	=====Rain Colourmap=====
=====Temp Colourmap=====	=====Temp Colourmap=====
Zeigt eine Temperaturverteilung (ähnl ich einer Isobarenkarte). Shortcut 2x "w". **Beenden der** Colourmap **Ansicht mit** ESC **oder erneut Taste** w	**Shows a temperature distribution (sim ilar to an isobar map**). Shortcut 2x "w". **E xit the** Colourmap **view with** ESC **or key** w **again**
====Add Maptypes====	====Add Maptypes====

Zeile 258: **Zeile 274:**

====Send Message====	====Send Message====
Öffnet das Nachrichten Kontextmenü	**Opens the message context menu**
====Animate====	====Animate====

Zeile 264: **Zeile 280:**

===Help===	===Help===
====Version====	====Version====
Zeigt die aktuell installierte Version von APRSmap **an. Der Buchstabe** in **Klammer bezeichnet das Betriebssystem, gefolgt von der Versionsnummer der Software**.	**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	aprsmap(w) 0.79 by OE5DXL
====Helptext====	====Helptext====
Öffnet den programminternen Hilfekontext.	**Opens the program-internal help context**.

[[DXL - APRSmap | << **Zurück zur** DXL-APRSmap **Übersicht**]]	[[DXL - APRSmap **englisch** | << **Back to** DXL - APRSmap **overview**]]

Version vom 14. August 2021, 13:42 Uhr

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Program start

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

Operation

First steps

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% identifing 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.oe2xzr.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 avaliable)
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, 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, 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.oe2xzr.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

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

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