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DXL - APRSmap englisch

Versionsgeschichte interaktiv durchsuchen
VisuellWikitext

Version vom 16. August 2015, 12:09 Uhr (Quelltext anzeigen) OE2WAO (Diskussion | Beiträge) K (→Features) ← Zum vorherigen Versionsunterschied	**Aktuelle Version vom 14. August 2021, 14:53 Uhr (Quelltext anzeigen)** OE2WAO (Diskussion | Beiträge) K Markierung: Visuelle Bearbeitung

(15 dazwischenliegende Versionen desselben Benutzers werden nicht angezeigt)

	Zeile 1:		**Zeile 1:**
	[[Kategorie:APRS]]		[[Kategorie:APRS]]
−	[[Datei:Deutschland-flagge.gif]] Für die deutsche Version dieses Projekts [[DXL - APRSmap | >>hier klicken<<]]	+	[[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]]**
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−	[[Datei:**aprsmap**.png]]	+	[[Datei:**Aprsmap**.png]]
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	==Features==		==Features==
−	* OpenSource and already compiled for windows and linux	+	

* 100% compliance with the current APRS protocol specifications	*OpenSource and already compiled for windows and linux
* No installation required, just copy and start	*100% compliance with the current APRS protocol specifications
* No unnecessary menus, focus is on the representation	*No installation required, just copy and start
* IP-based, out-of-the-box network-ready in HAMNET and Internet	*No unnecessary menus, focus is on the representation
* **Operation** via shortcuts	*IP-based, out-of-the-box network-ready in HAMNET and Internet
* Local serial connection (TNC) possible - operating as an RF IGATE	***Operations best controlled** via shortcuts
* Several MapSources can be used. By default, this is OSM - OpenStreetMap	*Local serial connection (TNC) possible - operating as an RF IGATE
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* Animation of the temperature distribution "w"	*Animation of tracks with timeline "a"
* Messaging	*Animation of the temperature distribution "w"
	*Messaging
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	**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==

+ [[DXL - APRSmap operating|>> Operating instructions]] - the help in handling the program

+

+

+

+ [[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)

+ *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===		===Shortcuts===
–	**:** delete markers	+	**<nowiki>:</nowiki>** delete markers
–	**@** reset <On Next Click> to menu mode	+	**@** reset <On Next Click> to menu mode
–	**A** Animate	+	**a** Animate **(Click to Map to set Parameters)**
–	**B** or <Backspace> go back in position history	+	**b** or <Backspace> go back in position history
–	**C** Center (to last clicked Pixel)	+	**c** Center (to last clicked Pixel)
–	**E** toggle Errors only/All for stepping along a track with <>	+	**d toggle (missing) map download**
–	**F** Junk Filter toggle on/off	+	**e** toggle Errors only/All for stepping along a track with <>
–	**H** Heard (click symbol or text of igate before)	+	**f** Junk Filter toggle on/off
–	**I** Internal Status Listing	+	**h** Heard (click symbol or text of igate before)
–	**L** toggle **labels** on/off	+	**i** Internal Status Listing
–	**M** toggle dimm not moving since 10min	+	**l** toggle **Labels** on/off
–	**O** toggle Objects/Items on/off	+	**m** toggle dimm not moving since 10min
–	**Q** Quit Program	+	**o** toggle Objects/Items on/off

–	**R** toggle Radio tracks on/off	+	**p toggle mouse-over Hints**
–	**S Screenshot ppm/bpm**	+	**q** Quit Program
–	**V make Video map.y4m uncompressed in YUV4MPEG2 format**	+	**r** toggle Radio tracks on/off
–	**W** toggle **Wx temperature map (use topo or no map)**	+	**s toggle show only stations with a selected symbol**
–	**X** set Marker 1 to **clicked** position	+	**u toggle tx/rx-Monitor window on/off**
–	**Y** set Marker 2 and Line to Marker 1	+	**w** toggle **WX stations and Temperature**
–	/ zoom to Marker 1-2 Square	+	**x** set Marker 1 to **mouse** position
–	~ change track colour	+	**y** set Marker 2 and Line to Marker 1
–	**+** Zoom in	+	**B Open Beacon editor**
–	- Zoom out	+	**C Enter Category of POI to be drawn on map**
–	**.** zoom to track and show only this (clicked before)	+	**D Digi Config open/close**
–	**=** same as but with radio tracks	+	**F Find Call (with wildcards * ?), Locator, Latitude/Longitude**
–	**0** show all (and radio tracks off)	+	**H Altitude Colour Map (if srtm-Data avaliable)**
–	1,2,3,4 Zoom/Pan to stored Views	+	**M Compose Message**
–	7 **use osm map**	+	**R toggle Radiorange Map on/off**
–	**9** use **osm topo** map	+	**T toggle Timestamp**
–	**ESC** close menus	+	**S Screenshot bpm (win), png (linux)**
–	Cursor up/down/left/right move map, same as click near margin	+	**W Rain map (use topo or dark map)**
–	SHIFT with up/down/left/right/[zoom+]/[zoom-] in smaller steps	+	**< > Step along Beacons/Waypoints of a selected User**
–	**DEL** delete selected	+	**( ) 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
==[[DXL - APRSmap Download | Download]]==	==[[DXL - APRSmap Download | Download]]==
	+ [[Datei:Aprsmap-download.jpg | link=DXL - APRSmap Download]]
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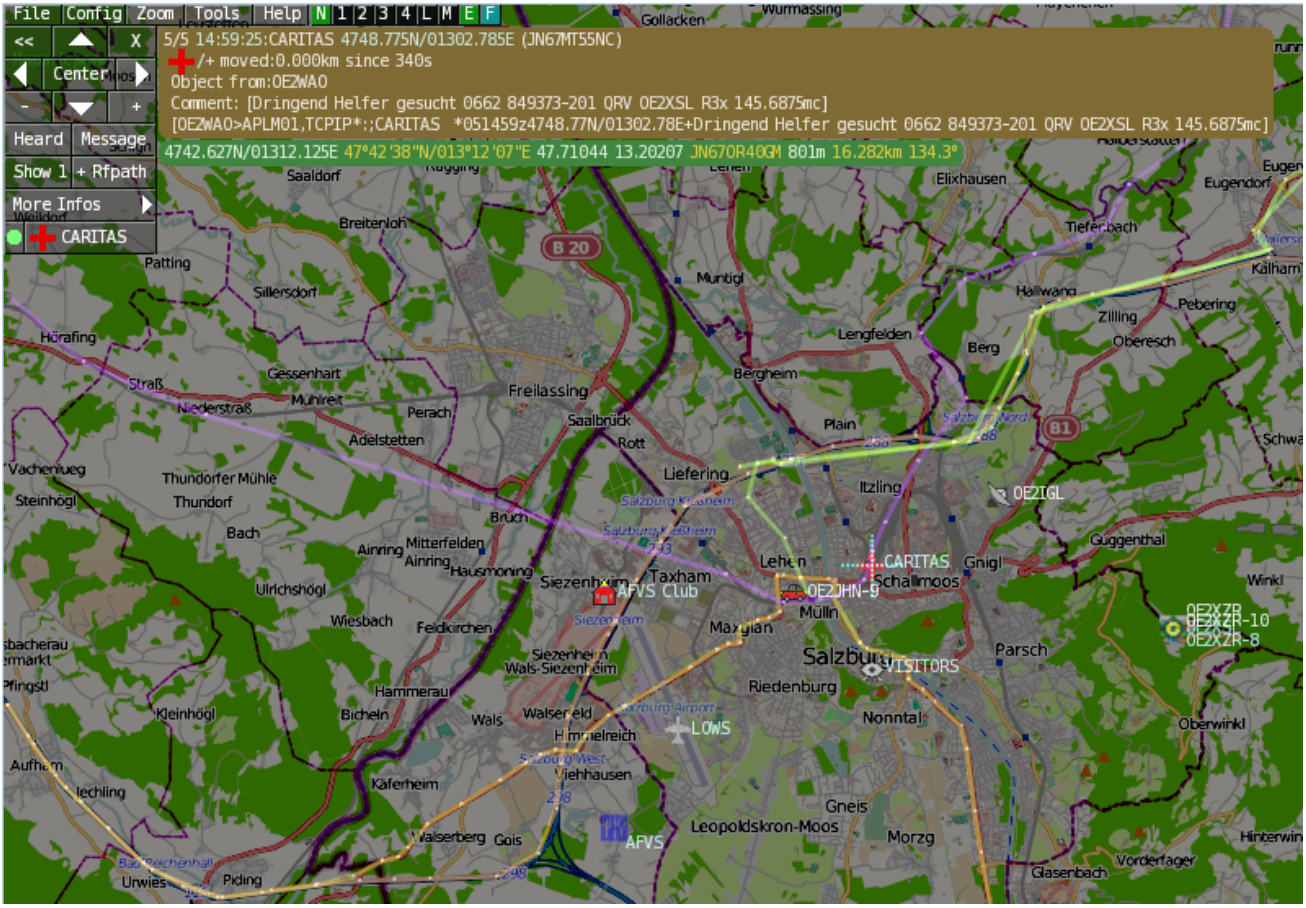
[[DXL - APRSmap Download | APRSmap Download]] - For Windows, Linux and ARM (Raspberry Pi)	[[DXL - APRSmap Download | APRSmap Download]] - For Windows, Linux and ARM (Raspberry Pi)
	+
	+ ==Further operation manual==
	+ more information is up to come

Aktuelle Version vom 14. August 2021, 14:53 Uhr

Für die deutsche Version dieses Projekts >>hier klicken<<

APRSmap Download

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 an start it!



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

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4 Download 42
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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

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

```
for example:
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- 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.
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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
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i   Internal Status Listing
l   toggle Labels on/off
m   toggle dimm not moving since 10min
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< >   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)
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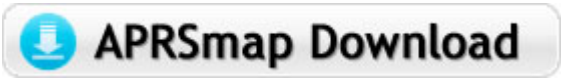
Download



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

Further operation manual

more information is up to come

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

VisuellWikitext

Version vom 16. August 2015, 12:09 Uhr (Quelltext anzeigen) OE2WAO (Diskussion | Beiträge) K (→Features)	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]]**
-
- **[[Datei:Deutschland-flagge.gif]] Für die deutsche Version dieses Projekts [[DXL - APRSmap \| >>hier klicken<<]]**
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- **==[[DXL - APRSmap Download | Download]]==**

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

https://oe2wao.info

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

VisuellWikitext

Version vom 16. August 2015, 12:09 Uhr (Quelltext anzeigen) OE2WAO (Diskussion | Beiträge) K (→Features)	**Aktuelle Version vom 9. April 2021, 09:08 Uhr (Quelltext anzeigen)** OE2WAO (Diskussion | Beiträge) K Markierung: Visuelle Bearbeitung
Zeile 1:	**Zeile 1:**
[[Kategorie:APRS]]	[[Kategorie:APRS]]
	[[Kategorie:Digitaler Backbone]]
[[Datei:**Deutschland-flagge.gif**]] **Für die deutsche Version dieses Projekts** [[DXL - APRSmap | >>**hier klicken**<<]]	[[Datei:**Englisch.jpg | link=DXL - APRSmap englisch**]] **For english version on this project** [[DXL - APRSmap **englisch** | >>**click here**<<]]
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W toggle Wx temperature map (use topo or no map)	
X set Marker 1 to clicked position	[[Datei:Aprsmap-1st-start.jpg | link=DXL - _APRSmap_Bedienung#Erste_Schritte]]
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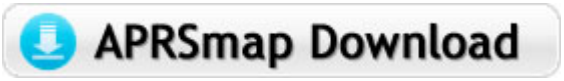
[[DXL - APRSmap Download | APRSmap Download]] - **For** Windows, Linux **and** ARM (Raspberry Pi)	[[DXL - APRSmap Download | APRSmap Download]] - **Für** Windows, Linux **und** ARM (Raspberry Pi)
	[[Datei:Aprsmap-download.jpg | link=DXL - APRSmap Download]]
	==Referenz==
	Das Programm APRSmap wurde für den ÖVSV Innovationspreis 2013 nominiert.
	==Weitere Projekte==

+ **Weiter passende Projekte von OE5DXL aus dieser Serie sind**
+
+ ***[[DXL - APRStracker]] - Hard- und Software für einen minimalistischen APRS Tracker**
+ ***[[TCE Tinycore Linux Projekt]] - Der mächtige und innovative Digipeater für APRS, Packet Radio, Echolink, u.v.m.**
+
+ **==Weblinks==**
+ **Kurzlink hier her: http://aprsmap.oevsv.at**

Aktuelle Version vom 9. April 2021, 09:08 Uhr

For english version on this project >>click here<<



Aktuelle Programmversion v0.79

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4 Download 22
5 Referenz 22
6 Weitere Projekte 22
7 Weblinks 22

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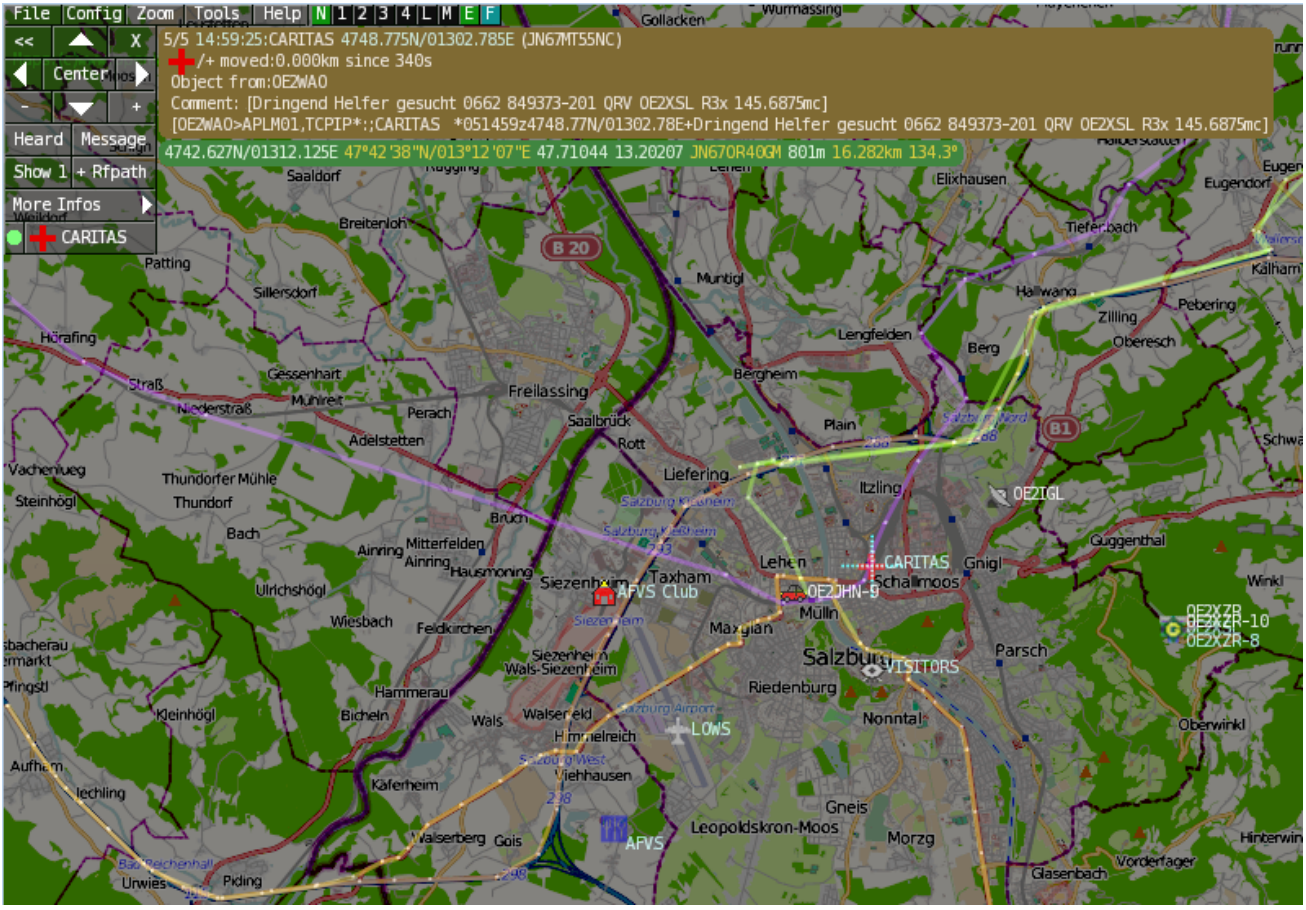

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Bedienungsanleitung - Die Hilfe beim Umgang mit dem Programm

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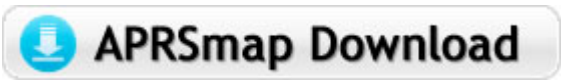

Referenz

Das Programm APRSmap wurde für den ÖVSV Innovationspreis 2013 nominiert.

Weitere Projekte

Weiter passende Projekte von OE5DXL aus dieser Serie sind

- DXL - APRStracker - Hard- und Software für einen minimalistischen APRS Tracker
- TCE Tinycore Linux Projekt - Der mächtige und innovative Digipeater für APRS, Packet Radio, Echolink, u.v.m.

Weblinks

Kurzlink hier her: http://aprsmap.oevsv.at

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

VisuellWikitext

Version vom 16. August 2015, 12:09 Uhr (Quelltext anzeigen) OE2WAO (Diskussion | Beiträge) K (→Features)	**Aktuelle Version vom 2. Januar 2023, 13:16 Uhr (Quelltext anzeigen)** OE2WAO (Diskussion | Beiträge) (SRTM Info hinzugefügt) Markierung: Visuelle Bearbeitung
Zeile 1:	**Zeile 1:**
[[Kategorie:APRS]]	[[Kategorie:APRS]]
	**D: Die Software gibt es je in einer Linux- und einer Windowsversion, sowie den Sourcecode zum selbst compilieren. **
	Dabei benötigt APRSmap keine Installationroutine. Die Dateien im Archiv müssen lediglich entpackt und lokal gespeichert werden (bspw. unter C:\APRSmap).
[[Datei:Deutschland-flagge.gif]] Für die deutsche Version dieses Projekts [[DXL - APRSmap **| >>hier klicken<<]]**	**''E: The software is available for OS like WINDOWS, LINUX and systems based on ARM structures like raspberry pi.'' **
	''There is no installation routine. Just download the archive and save the files localy on your hard disc or removable drive'' (e.g. under C:APRSmap**)''.''**
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 an start it!	**[[Datei:Aprsmap-1st-start.jpg | link=DXL - _APRSmap_Bedienung#Erste_Schritte]]**

– [[Datei:aprsmap.png]]	
– A lot of documentation work has to be done soon !!	+ ==Windows==
	+ D: Die Dateien aus dem heruntergeladenen Archiv werden lokal in den Unterordner /APRSMAP (muss selbst angelegt werden) entpackt bzw. gespeichert.
– ==Features==	+ ''E: The files from the downloaded archive are unpacked and saved locally in the subfolder /APRSMAP (must be created yourself).''
– * 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	
– * Operation 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	
==Shortcuts===	*[[Datei:Aprsmap-download-win-inet.jpg|link=https://wiki.oevsv.at/w/nsfr_img_auth.php/b/bd/Aprsmap-all.zip]] >> '''[[Medium:Aprsmap-all.zip| APRSmap Download via Wiki]]''' << (Detail Version [[Datei:Aprsmap-all.zip]])
: delete markers	
@ reset <On Next Click> to menu mode	
A Animate	
B or <Backspace> go back in position history	
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H Heard (click symbol or text of igate before)	
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O toggle Objects/Items on/off	
Q Quit Program	
R toggle Radio tracks on/off	
S Screenshot ppm/bpm	
V make Video map.y4m uncompressed in YUV4MPEG2 format	
W toggle Wx temperature map (use topo or no map)	

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– **. zoom to track and show only this (clicked before)**	
– **= same as but with radio tracks**	
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– **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**	
– **==[[DXL** - APRSmap Download **| Download]]==**	+
– [[**DXL** - APRSmap **Download** | APRSmap Download]] - **For Windows, Linux and ARM** (Raspberry Pi)	+ ***[[Datei:Aprsmap-download-win-hamnet.jpg | link=http://oe5dxl.ampr.at]]** APRSmap Download **via HAMNET mit aktuellen Updates ''(HAMNET-Verbindung erforderlich - HAMNET connection required)''**
	+
	+
	+ **'''Win32 Dateiliste'''**
	+

+ Übersicht der [[APRSmap-Dateien]] unter Win32 Betriebssystemen.
+
+ ==Linux==
+ ===HAMNET===
+
+ *[http://oe5dxl.ampr.at] - x86 (mit aktuellen Updates)
+
+ ===Internet===
+ komplette dxlAPRS Toolchain fertig compiliert für folgende Systeme:
+
+ *[https://github.com/oe5hpm/dxlAPRS] - Sourcecode
+ *[http://dxlaprs.hamspirit.at/dxlAPRS_x86-current.tgz] - x86
+ *[http://dxlaprs.hamspirit.at/dxlAPRS_armv7hf-current.tgz] - ARMv7hf (Cortex-A8, AM335x, BeagleBone, ...)
+ *[http://dxlaprs.hamspirit.at/dxlAPRS_armv6-current.tgz] - ARMv6 (Raspberry Pi)
+
+ ==ARM - Raspberry Pi==
+ [[aprsDXL auf ARM resp. Raspberry Pi]]
+
+
+ ==POI Files==
+ D: Österreichische POI (point of interest) Dateien für APRSmap.
+

+ **''E: Austrian POI (point of interest) files for use in APRSmap.''**
+
+ **[[Medium:**APRSmap**-poi.zip**| APRSmap **POI** Download]]
+
+ **==Source Code==**
+ **Die Sourcen vom dxlAPRS-Projekt sind auf Github veröffentlicht.**
+ **Aus diesen kann derzeit für folgende Plattformen gebaut werden:**
+
+ ***x86**
+ ***armv6** (Raspberry Pi)
+ ***armv7 (bur am335x pp, Beaglebone, ...)**
+
+ **https://github.com/oe5hpm/dxlAPRS
**
+
+ **==Release Notes==**
+ **[[APRSmap Release notes]]**
+
+ **== SRTM Höhendaten zur Funkausbreitungs- und Wegstreckenberechnung ==**
+ **D: Um die Funktion "Radiolink" verwenden zu können, sind zur Berechnung der Geländegegebenheiten exakte Höhendaten erforderlich. Diese werden im entsprechenden \OSM Subordner des APRSmap**
+

+ **Arbeitsverzeichnisses abgelegt. APRSmap selbst benutzt dabei jeweils die zur Verfügung stehenden Daten mit der höchsten Auflösung. Die Daten sind ausschließlich im HAMNET zu finden unter:**
+
+ **E: In order to be able to use the "Radiolink" function, exact elevation data is required to calculate the terrain conditions. These are stored in the corresponding \OSM subfolder of the APRSmap working directory. APRSmap itself uses the available data with the highest resolution. The data can only be found in HAMNET at:**
+
+ **http://web.oe2xzr.ampr.org /download/?dir=Digital_modes/APRS**
+
+
+
+ **[[DXL - APRSmap | << Zurück zur DXL-APRSmap Übersicht]]**

Aktuelle Version vom 2. Januar 2023, 13:16 Uhr

D: Die Software gibt es je in einer Linux- und einer Windowsversion, sowie den Sourcecode zum selbst compilieren.
Dabei benötigt APRSmap keine Installationroutine. Die Dateien im Archiv müssen lediglich entpackt und lokal gespeichert werden (bspw. unter C:\APRSmap).

E: The software is available for OS like WINDOWS, LINUX and systems based on ARM structures like raspberry pi.
There is no installation routine. Just download the archive and save the files localy on your hard disc or removable drive (e.g. under C:\APRSmap)*.*

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1 Windows 31
2 Linux 31
2.1 HAMNET 31
2.2 Internet 31
3 ARM - Raspberry Pi 31
4 POI Files 31
5 Source Code 32
6 Release Notes 32
7 SRTM Höhendaten zur Funkausbreitungs- und Wegstreckenberechnung 32

Windows

D: Die Dateien aus dem heruntergeladenen Archiv werden lokal in den Unterordner /APRSMAP (muss selbst angelegt werden) entpackt bzw. gespeichert.

E: The files from the downloaded archive are unpacked and saved locally in the subfolder /APRSMAP (must be created yourself).

- Download via Internet >> **APRSmap Download via Wiki** << (Detail Version Datei:Aprsmap-all.zip)

- Download via HAMNET APRSmap Download via HAMNET mit aktuellen Updates *(HAMNET-Verbindung erforderlich - HAMNET connection required)*

Win32 Dateiliste

Übersicht der APRSmap-Dateien unter Win32 Betriebssystemen.

Linux

HAMNET

- [1] - x86 (mit aktuellen Updates)

Internet

komplette dxlAPRS Toolchain fertig compiliert für folgende Systeme:

- [2] - Sourcecode
- [3] - x86
- [4] - ARMv7hf (Cortex-A8, AM335x, BeagleBone, ...)
- [5] - ARMv6 (Raspberry Pi)

ARM - Raspberry Pi

aprsDXL auf ARM resp. Raspberry Pi

POI Files

D: Österreichische POI (point of interest) Dateien für APRSmap.

E: Austrian POI (point of interest) files for use in APRSmap.

APRSmap POI Download

Source Code

Die Sourcen vom dxlAPRS-Projekt sind auf Github veröffentlicht. Aus diesen kann derzeit für folgende Plattformen gebaut werden:

- x86
- armv6 (Raspberry Pi)
- armv7 (bur am335x pp, Beaglebone, ...)

https://github.com/oe5hpm/dxlAPRS

Release Notes

APRSmap Release notes

SRTM Höhendaten zur Funkausbreitungs- und Wegstreckenberechnung

D: Um die Funktion "Radiolink" verwenden zu können, sind zur Berechnung der Geländegegebenheiten exakte Höhendaten erforderlich. Diese werden im entsprechenden \OSM Subordner des APRSmap Arbeitsverzeichnisses abgelegt. APRSmap selbst benutzt dabei jeweils die zur Verfügung stehenden Daten mit der höchsten Auflösung. Die Daten sind ausschließlich im HAMNET zu finden unter:

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http://web.oe2xzr.ampr.org/download/?dir=Digital_modes/APRS

<< Zurück zur DXL-APRSmap Übersicht

DXL - APRSmap englisch: Unterschied zwischen den Versionen

Versionsgeschichte interaktiv durchsuchen
VisuellWikitext

Version vom 16. August 2015, 12:09 Uhr (Quelltext anzeigen)	**Aktuelle Version vom 14. August 2021, 14:53 Uhr (Quelltext anzeigen)**
OE2WAO (Diskussion | Beiträge)	OE2WAO (Diskussion | Beiträge)
K (→Features)	K
← Zum vorherigen Versionsunterschied	Markierung: Visuelle Bearbeitung

(15 dazwischenliegende Versionen desselben Benutzers werden nicht angezeigt)

Zeile 1:	**Zeile 1:**
[[Kategorie:APRS]]	[[Kategorie:APRS]]
− [[Datei:Deutschland-flagge.gif]] Für die deutsche Version dieses Projekts [[DXL - APRSmap | >>hier klicken<<]]	+ [[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 an start it!	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 an start it!
− [[Datei:**aprsmap**.png]]	+ [[Datei:**Aprsmap**.png]]
− A lot of documentation work **has** to be done soon !!	+ A lot of documentation work **will have** to be done soon !!
==Features==	==Features==
− * OpenSource and already compiled for windows and linux	+

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

+ [[DXL - APRSmap operating|>> Operating instructions]] - the help in handling the program

+

+

+

+ [[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)

+ *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===		===Shortcuts===
–	**:** delete markers	+	**<nowiki>:</nowiki>** delete markers
–	**@** reset <On Next Click> to menu mode	+	**@** reset <On Next Click> to menu mode
–	**A** Animate	+	**a** Animate **(Click to Map to set Parameters)**
–	**B** or <Backspace> go back in position history	+	**b** or <Backspace> go back in position history
–	**C** Center (to last clicked Pixel)	+	**c** Center (to last clicked Pixel)
–	**E** toggle Errors only/All for stepping along a track with <>	+	**d toggle (missing) map download**
–	**F** Junk Filter toggle on/off	+	**e** toggle Errors only/All for stepping along a track with <>
–	**H** Heard (click symbol or text of igate before)	+	**f** Junk Filter toggle on/off
–	**I** Internal Status Listing	+	**h** Heard (click symbol or text of igate before)
–	**L** toggle **labels** on/off	+	**i** Internal Status Listing
–	**M** toggle dimm not moving since 10min	+	**l** toggle **Labels** on/off
–	**O** toggle Objects/Items on/off	+	**m** toggle dimm not moving since 10min
–	**Q** Quit Program	+	**o** toggle Objects/Items on/off

–	**R** toggle Radio tracks on/off	+	**p toggle mouse-over Hints**
–	**S Screenshot ppm/bpm**	+	**q** Quit Program
–	**V make Video map.y4m uncompressed in YUV4MPEG2 format**	+	**r** toggle Radio tracks on/off
–	**W** toggle **Wx temperature map (use topo or no map)**	+	**s toggle show only stations with a selected symbol**
–	**X** set Marker 1 to **clicked** position	+	**u toggle tx/rx-Monitor window on/off**
–	**Y** set Marker 2 and Line to Marker 1	+	**w** toggle **WX stations and Temperature**
–	/ zoom to Marker 1-2 Square	+	**x** set Marker 1 to **mouse** position
–	~ change track colour	+	**y** set Marker 2 and Line to Marker 1
–	**+** Zoom in	+	**B Open Beacon editor**
–	- Zoom out	+	**C Enter Category of POI to be drawn on map**
–	**.** zoom to track and show only this (clicked before)	+	**D Digi Config open/close**
–	**=** same as but with radio tracks	+	**F Find Call (with wildcards * ?), Locator, Latitude/Longitude**
–	**0** show all (and radio tracks off)	+	**H Altitude Colour Map (if srtm-Data avaliable)**
–	1,2,3,4 Zoom/Pan to stored Views	+	**M Compose Message**
–	7 **use osm map**	+	**R toggle Radiorange Map on/off**
–	**9** use **osm topo** map	+	**T toggle Timestamp**
–	**ESC** close menus	+	**S Screenshot bpm (win), png (linux)**
–	Cursor up/down/left/right move map, same as click near margin	+	**W Rain map (use topo or dark map)**
–	SHIFT with up/down/left/right/[zoom+]/[zoom-] in smaller steps	+	**< > Step along Beacons/Waypoints of a selected User**
–	**DEL** delete selected	+	**( ) Map Brightness +- 5%**
		+	**/** zoom to Marker 1-2 Square
		+	**\ shortcut list**
		+	~ change track colour
		+	**+** Zoom in - Zoom out

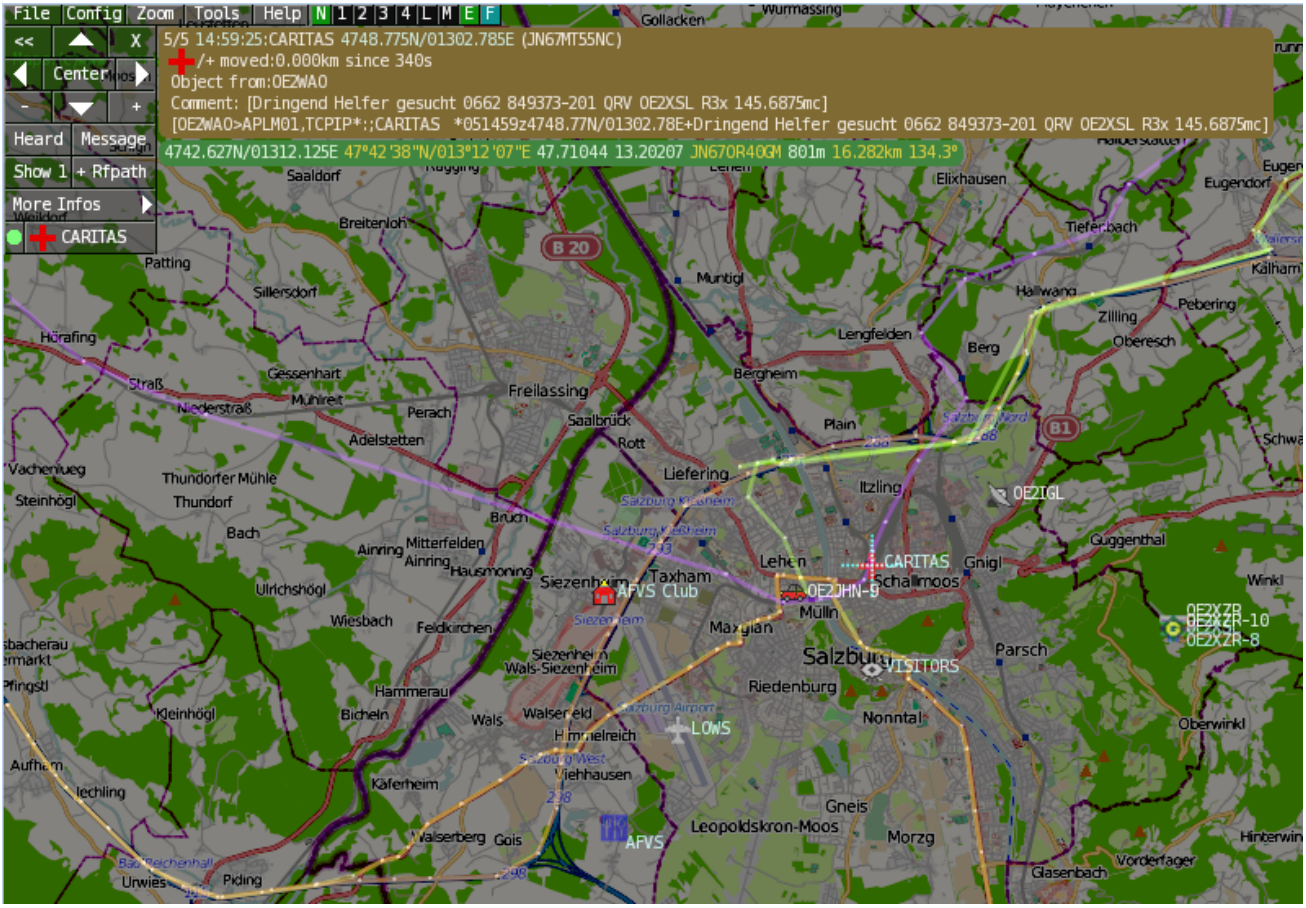
	+ **.** zoom to track and show only this (clicked before)
	+ **=** same as **.** but with radio tracks
	+ **0** show all (and radio tracks off)
	+ 1,2,3,4 Zoom/Pan to stored Views
	+ 7**,8,9** use map **type as configured**
	+ **ESC** close menus
	+ Cursor up/down/left/right move map, same as click near 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**
==[[DXL - APRSmap Download | Download]]==	==[[DXL - APRSmap Download | Download]]==
	+ **[[Datei:Aprsmap-download.jpg | link=DXL - APRSmap Download]]**
	+
[[DXL - APRSmap Download | APRSmap Download]] - For Windows, Linux and ARM (Raspberry Pi)	[[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 Download

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 an start it!



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

Inhaltsverzeichnis

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3 Operation manual and help 40
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4 Download 42
5 Further operation manual 42

Features

- OpenSource and already compiled for windows and linux
- 100% compliance with the current APRS protocol specifications
- No installation required, just copy and start
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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

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

```
:   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
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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
```
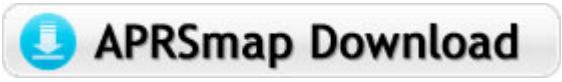

```
Cursor up/down/left/right   move map, same as click near margin
SHIFT with up/down/left/right/[zoom+]/[zoom-]   in smaller steps
DEL   delete selected (Symbol, Waypoint)
TAB   switch between two Views
ctrl-L   Reset Image and Mouse parameters to default
ctrl-V   Paste
```

Download



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

Further operation manual

more information is up to come

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

VisuellWikitext

Version vom 16. August 2015, 12:09 Uhr (Quelltext anzeigen) OE2WAO (Diskussion | Beiträge) K (→Features)	**Aktuelle Version vom 14. August 2021, 14:49 Uhr (Quelltext anzeigen)** OE2WAO (Diskussion | Beiträge) Markierung: 2017-Quelltext-Bearbeitung
Zeile 1:	**Zeile 1:**
[[Kategorie:APRS]]	[[Kategorie:APRS]]
− **[[Datei:Deutschland-flagge.gif]] Für die deutsche Version dieses Projekts [[DXL - APRSmap | >>hier klicken<<]]**	+ **==Program start==**
	+ **After downloading and saving locally, the '''aprsmap.exe''' program can be started. A separate installation is not required**.
− **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 an start it!**	+ **==Operation==**
	+ **===First steps===**
− [[Datei:**aprsmap**.png]]	+ [[Datei:**Aprsmap-1st-start**.jpg]]
− **A lot** of **documentation work has** to **be done soon !!**	+ **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.**
==Features==	

	***First of all you put in your callsign (MY CALLSIGN) with optional SSID**
*** OpenSource and already compiled for windows and linux**	***Second step is to choose your desired APRS icon (MY SYMBOL)**
* 100% **compliance** with the **current APRS protocol specifications**	***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.**
*** No installation required, just copy** an d **start**	***Now you can set** the **SERVER URL by just inserting your favorite APRS IS. Click ADD to save this entry.**
*** No unnecessary menus, focus is** on the **representation**	
* **IP-based, out-of-**the**-box network-ready in HAMNET and Internet**	**for example:**
*** Operation via shortcuts**	**aprs.oe2xzr.ampr.at (APRS IS** connect ion **via HAMNET**)
*** Local serial** connection **(TNC) possible - operating as an RF IGATE**	**austria.aprs2.net (APRS IS connection via Internet)**
*** Several MapSources can be used. By default, this is OSM - OpenStreetMap**	
*** Downloading map source on demand**	***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.**
* **Track filter for delayed / late / repeated** packets **"f"**	***Last but not least you have to activate CONNECT SERVER to get data from an to** the **APRS network.**
*** Radio propagation calculation** (**since v0.36) "R"**	
*** Animation of tracks with timeline "a"**	

* **Animation of** the **temperature distribution "w"**	
*** Messaging**	
===Shortcuts===	===Shortcuts===
: delete markers	**Note, shortcut keys are case sensitive!**
@ reset <On Next Click> to menu mode	**<nowiki>:</nowiki>** delete markers
A Animate	**@** reset <On Next Click> to menu mode
B or <Backspace> go back in position history	**a** Animate **(Click to Map to set Parameters)**
C Center (to last clicked Pixel)	**b** or <Backspace> go back in position history
E toggle Errors only/All for stepping along a track with <>	**c** Center (to last clicked Pixel)
F Junk Filter toggle on/off	**d toggle (missing) map download**
H Heard (click symbol or text of igate before)	**e** toggle Errors only/All for stepping along a track with <>
I Internal Status Listing	**f** Junk Filter toggle on/off
L toggle **labels** on/off	**h** Heard (click symbol or text of igate before)
M toggle dimm not moving since 10min	**i** Internal Status Listing
O toggle Objects/Items on/off	**l** toggle **Labels** on/off
Q Quit Program	**m** toggle dimm not moving since 10min
R toggle Radio tracks on/off	**o** toggle Objects/Items on/off
S Screenshot ppm/bpm	**p toggle mouse-over Hints**
V make Video map.y4m uncompressed in YUV4MPEG2 format	**q** Quit Program
W toggle **Wx temperature map (use topo or no map)**	**r** toggle Radio tracks on/off
X set Marker 1 to **clicked** position	**s toggle show only stations with a selected symbol**
Y set Marker 2 and Line to Marker 1	**u toggle tx/rx-Monitor window on/off**

–	/ zoom to Marker 1-2 Square	+	**w** toggle **WX stations and Temperature**
–	~ change track colour	+	**x** set Marker 1 to **mouse** position
–	**+** Zoom in	+	**y** set Marker 2 and Line to Marker 1
–	- Zoom out	+	**B Open Beacon editor**
–	**.** zoom to track and show only this (clicked before)	+	**C Enter Category of POI to be drawn on map**
–	**=** same as but with radio tracks	+	**D Digi Config open/close**
–	**0** show all (and radio tracks off)	+	**F Find Call (with wildcards * ?), Locator, Latitude/Longitude**
–	1,2,3,4 Zoom/Pan to stored Views	+	**H Altitude Colour Map (if srtm-Data avaliable)**
–	7 **use osm map**	+	**M Compose Message**
–	**9** use **osm topo** map	+	**R toggle Radiorange Map on/off**
–	**ESC** close menus	+	**T toggle Timestamp**
–	Cursor up/down/left/right move map, same as click near margin	+	**S Screenshot bpm (win), png (linux)**
–	SHIFT with up/down/left/right/[zoom+]/ [zoom-] in smaller steps	+	**W Rain map (use topo or dark map)**
–	**DEL** delete selected	+	**< > 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==**
+ **[[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===
+ ====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.
+ <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=====
+ 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 qm.sh ''(for map download from the Internet)''
+ sh qm-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.**
	+
− ==[[DXL - APRSmap **Download** | **Download]]==**	+ [[DXL - APRSmap **englisch** | **<< Back to** DXL - APRSmap **overview**]]
− **[[**DXL - APRSmap **Download | APRSmap Download**]] **- For Windows, Linux and ARM (Raspberry Pi)**	

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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

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