SQLite Database mod for radio station logos - V. 1.01   (02/04/2022)

a.   Tested on MMI MHI2

b.   Open GEM (keep the NAVI + RADIO keys pressed upwards) and look for the section relating to
      FM radio tuning.

c.   Note: PI value; Frequency; Radio name; (of all the radio stations we mean
      change the logo or radio stations we intend to add).

= NOTE =

-    Possible source of radio logos: https://www.phonostar.de/

-    DB Browser for SQLite - Download https://sqlitebrowser.org/dl/

-    Image Editor: https://www.gimp.org/downloads/

Open the VW_STL_DB.sqlite file

1. "Database structure" ⬚ "Tables" ⬚ "CountryRegionData" ⬚ "countryId" column

2. "Browse data" ⬚ "CountryRegionData" ⬚ "countryId" column

3. Find the country code "Italy" equal to 14.

4. Tabella "Stations"

5. Enter the country code 14 in the "Filter" box of the "country" column

From the analysis of the "logoId" column, it is clear that the logo IDs of radio stations consist offive digits starting with 21 and 22 (for safety note the codes of the radio station listedwe intend to change the logo).

- Radio 105 = LogoID: 21146

- Radio Studio Plus = LogoID: 21657

- Radio WoW = LogoID: NOT PRESENT

6. "StationsLogo" table.
7. Click on the "logoId" column.

CASE 1: replace an existing logo

8. Enter the value indicated in point 5 in the "logoId" column (Ex. 21146 or 21657).

9. Navigate to the "stationsLogo" column and select a PNG 320x240 logo of your choice, load it and replace it with the one already present (click where marked by the arrow: Import ⯈ Import ⯈ select PNG).
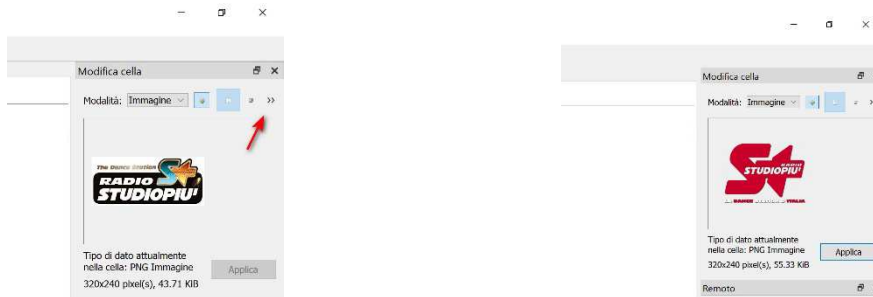
10. Click "Apply" and then "Save changes".

CASE 2: Adding a logo for a radio station that is not present

* Note: for MMIs without logos, the frequency (consisting of 5characters) and PI (4 characters) in order to match the new logo correctly.

1. Look for and note the last logo ID starting with 22 (in my case: 22106). To find the latest value available for a particular country just set the correct filter on the column "Country" and then click on the label of the "stationId" column until reorganized by values decreasing.

	stationId	country	ecc	piSid	linkedPi	ensembleId	scidi	subChannelId	frequency	longName	shortName	type	logoId ▲
	Filtro	14	Filtro	Filtro	Filtro	Filtro	Filtro	Filtro	Filtro	Filtro	Filtro	Filtro	Filtro
1	23027	14	224	21633	-1	-1	-1	-1	91500		CrikCrok	FM	22106
2	23026	14	224	20482	-1	-1	-1	-1	87700		BALLA	FM	22105
3	23025	14	224	22016	-1	-1	-1	-1	91000		MARISTEL	FM	22104
4	23023	14	224	21151	-1	-1	-1	-1	-1		RTL102.5	DAB	22103
5	23022	14	224	21231	-1	-1	-1	-1	-1		RTL 102.5	DAB	22102

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2. To add a new logo, in this case, you need to create a "new station

radio "to match the new" logoId ". To add a new logo go to

tabela "stationsLogos" and create a new line with a "logoId" higher than one unit

the latest available for the selected country (14 - Italy in this case). In this case not

will be anything other than 22106 + 1 = .
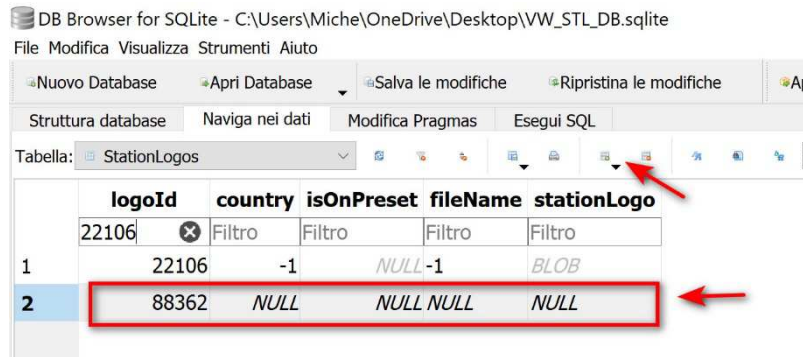
NB. To insert:

- -1 in the "country" column

- -1 in the "fileName" column
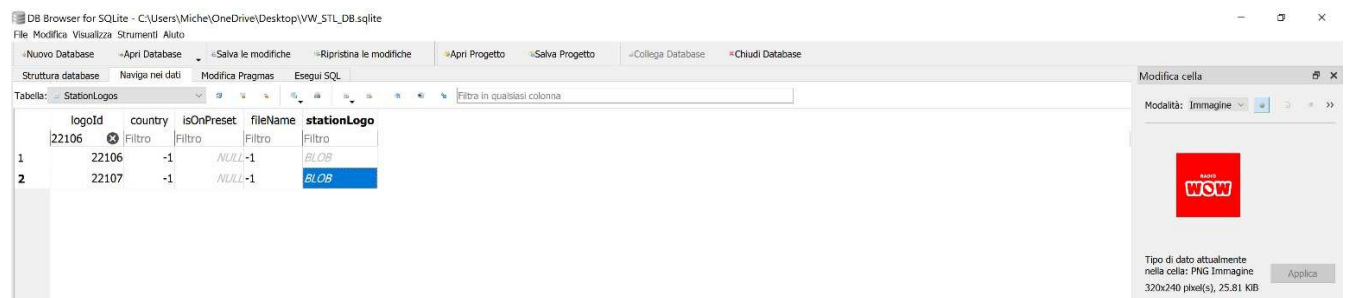
3. Load the PNG files 320x240 (which will then be reduced to 160x120) in the column field "stationLogo".

4. Click on "Apply" after importing the PNG logo.

5. Save your changes.

6. Now, select the "stations" table.

7. Set the country filter to 14 (Italy).

8. Rearrange the "stationId" column in descending order and observe what the last value is entered for Italy (in my case, 23027).

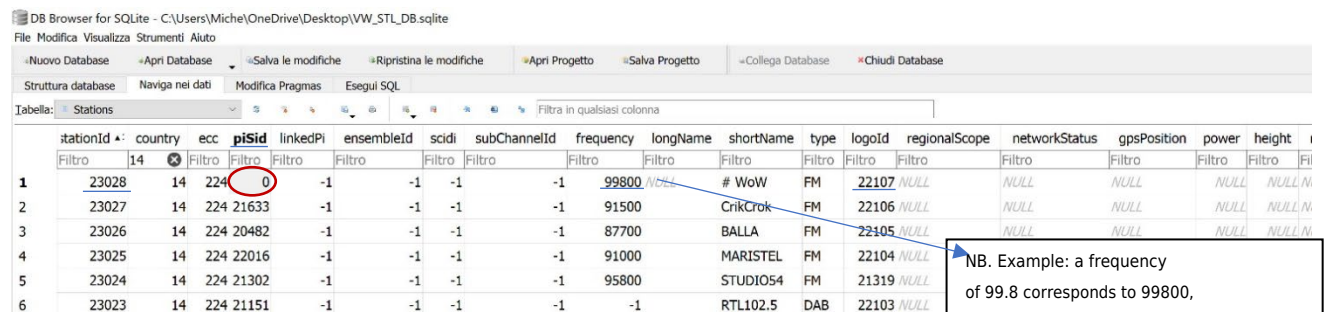9. Create a new row and insert the value following the one displayed (in my case 23027 + 1 = 23028).

10. Complete the rest of the line with the correct parameters (for those not known copy from a any FM line (not DAB). 🡪 country, etc, linkedPi, ensembleId, scidi, subChannelId, type

NB. Example: a frequency of 99.8 corresponds to 99800, while a frequency from 104.2 corresponds to 104200.

11. **ATTENTION** : To obtain the value of the column "piSid" èneed to convert PI value to decimal:

🡪https://www.rapidtables.com/convert/number/hex-to-decimal.html

12. Insert the decimal value obtained in the correct box of the "piSid" column.

13. Save the changes.

Final part (optional):

1.   Table: DatabaseVersion.
2.   Column: versionRevision ⬚ one unit increase.
3.   Column: creationDate ⬚ updates the date.

Final passage:

⬚Save the new database and / or overwrite the currently open one.

   File> Save All> click on the name of the file in use

⬚Overwrite the new updated database in the MMI.