Technaxx® FMT100 Transmitter (MP3 Player)

User Manual

Declaration of Conformity: **www.technaxx.de/** (in bottom bar "Konformitätserklärung")
Before using the device the first time, read the user manual carefully.

Features

- Supplys SD cards (up to 4GB). USB input and audio jack to read SD cards directly (USB) and to connect it with MP3 devices
- Supplys MP3 and WMA format
- Directly reading of data from SD cards or through USB port
- LED display shows frequency information
- Full frequencies clooseable (87.5 – 108.0 MHz)
- Frequency and songs memory function
- Save transmitting frequency and broadcast
- Rotating shaft for convenient usage
- Restored last frequency, track number and volume by restart.

Operation

**1. Insert transmitter to 12V car cigarette socket power.**

1.1. You take a normal SD card or a USB flash drive and copy the MP3 files from the PC directly on the memory media.
Do not (!) create folders, only copy the music files.
1.2. Search for a **free frequency** in the car radio (means you hear a hissing and no radio) and save this frequency on one of the storage spaces of the car radio.
1.3. Adjust the same frequency on the device with the |<< or >>| key and confirm it with the „CH" button.
1.4. Plug in the memory media (SD card or USB flash drive) and the playback starts automatically.
Please take a look for the **correct card position** – plug it into the device with the contact area on top.

(Normally the device only reads SD cards up to 4GB, but we also tested it successfully with SDHC cards up to 32GB.)
Important is the FAT32 formating and that the files are „normal" MP3 files (no .wma files or files coded with DRM).

2. When connected, the tranmitter music playback starts automatically and the frequency is shown on the display. After approx. 30 seconds the display turns off automatically. By pushing any key, the display recovers. By pushing ▶/❚❚ (PAUSE) the LEDs are flashing.

The device plays the files in order of saving them on the memory media. If you save the files 1,2,3 in the row 2-1-3 then they are played in the row (2-1-3). **Please notice** that e.g. the Windows Explorer only shows a sorting of files virtually, means the files are show virtually in a special row, but on the memory media nothing is changed.

3. The "CH" key switchs between emission frequency. By pushing the ▶/❚❚ key, the display shows current frequency while music is playing. Push the ▶▶❙ key and the next frequency is shown, push the ❙◀◀ key and the previous frequency is shown.

4. By pushing the ▶/❚❚ key the broadcasted music pauses and by pushing it again, playback starts again.

By pushing the „PLAY" key of the device a little bit longer, you can change the playback mode of the device.

● „ALL" – The device plays all music files in the row again and again.
● „onE" – The actual played music file is played again and again.
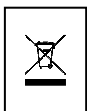● „rAn" – Random playback.

5. By pushing the ❙◀◀ key the previous title is played. Push the key for some seconds, volume is reduced.

6. By pushing the ▶▶❙ key the next title is played. Push the key for some seconds, volume is increased.

7. No audio signal for the device, it shuts OFF automatically after 55 seconds.

This device is allowed to be operated in the following countries:
IT   ES   FR   BE
NL   DE   CH   AT

Security and Disposal Hints for Batteries: Hold children off batteries. When a child swallowed a battery go to a doctors place or hospital promptly! Look for the right polarity (**+**) and (**--**) of batteries! Never use old/new batteries or different types together. Never short, open, deform, load up batteries! **Risk of injury** by battery leakage fluid! NEVER throw batteries into fire! **Risk of explosion**!

Hints for Environment Protection: Packages materials are raw materials and can be recycled. Do not disposal old devices or batteries into the domestic waste. **Cleaning:** Protect the device from contamination and pollution. Only clean the device with soft cloth or drapery, avoid using rough or coarse-grained materials. Do NOT use solvents or other aggressive cleaner. Wipe the device after cleaning accurately. **Important Notice:** Should battery fluid leak from a battery, wipe the battery-case with a soft cloth dry.

20 Key Remote Control

Play / Pause		Start / Stop the music
CH (--)		Frequency down
CH (+)		Frequency up
EQ		<u>Changes sound characteristic:</u> Normal (default) → Rock → Pop → Classic → Jazz → Blues → Hall → Bass → Soft → Country → Opera
Volume (--)		Volume down
Volume (+)		Volume up
PREV		Previous track
NEXT		Next track
0123456789		Number keys for setting the frequency and picking songs
Pick Song		Confirms picking a song after selection with the number keys
CH Set		Confims setting the frequency after selection with the number keys

Operation Illustration

1. The device has 206 frequencies (87.5 – 108.0 MHz) to use. Usage of the number keys (0-9) to select a frequency. Then push the **CH SET** key to confirm and save the frequency.

2. Usage of the number keys (0-9) to select the music track number. Then push the **PICK SONG** key to confirm.

3. <u>Every time **EQ** is pushed the sound characteristics are changed:</u>
NORMAL (default setting) → ROCK → POP → CLASSIC → JAZZ → BLUES → HALL → BASS → SOFT → COUNTRY → OPERA. Push long the **EQ** key and the system returns back to NORMAL.

4. Last settings for volume, FM-transmission-frequency and music track are stored when the device is powered off.

5. USB and SD card can both be connected to the device. The first medium connected, either USB or SD card, is played. To select the other medium, the first one must be disconnected.

6. If an external audio device is connected to the audio-in jack, the playback from USB or SD card stopps automatically and cannot be started or paused by pushing the PLAY/PAUSE key.

Replacing the remote control battery

1) Remove the battery compartment cover by pulling the cover in the direction of the arrow.
2) Remove the battery.
3) Insert the replacement battery. Keep attention on the direction of the correct polarization (+/-).

4) Put the cover back to the battery compartment.

Technical Parameters

◆ EMI standard	FCC (class B)
◆ Supply voltage	12V DC power
◆ Electric current	12V (normal working) < 100mA
◆ Bit rate	32Kbps – 256Kbps
◆ FM transmitting frequency	87.5 – 108.0 MHz
◆ Transmitting frequency options	Push the "CH" key to switch channels (after that: storage posibility).
◆ Frequency response	30 – 15 KHz ± 3db
◆ SNR (Signal to Noise Ratio)	30db
◆ Harmonic distortion	≤1%
◆ Transmitting distance	3 – 5 m
◆ For continuing broadcast	Music starts playback again from last stop.
◆ Storage temperature	– 5°C up to + 45°C
◆ Working temperature	0°C up to + 40°C
◆ Operation humidity	20% – 90% (40°C)
◆ Storage humidity	20% – 93% (40°C)