F-172 Transmitter (MP3 Player) USER MANUAL

F-172 Feature

- Supply SD card, USB input and audio jack to connect with MP3/MP4.
- Supply MP3 and WMA format.
- Read USB and SD card directly.
- LED display – shows frequency information.
- Full frequencies closeable (88.1 – 107.9 MHz).
- Frequency and song memory function.
- Save transmitting frequency and broadcast.
- Use of rotating shaft: convenient use.
- Fashion and attractive appearance.
- Restored last frequency, track number and volume by restart.

Operation

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

2. USB/SD card insert to USB/SD card jack; or using audio-line end to connect to transmitter; the other end connect to other equipment's audio output jack (e.g.: MP3, CD)

3. When connected, transmitter plays music automatically and display shows the frequency. About 30 seconds the screen will turn off automatically.

   By pressing any key display is recovered. By pressing ▶/❚❚ the LED flashes.

4. "CH" key switchs between emission frequency and selected song. Press key ▶/❚❚ while music plays: display shows current frequency. Press key: ▶▶ frequency moves to the next point. Press key: ◀◀ frequency moves to previous point.

5. By pressing ▶/❚❚ button: broadcasting music pauses; pressing again resumes playing.

6. By pressing key: ◀◀ previous program plays. By pressing the key for some seconds, volume is reduced.

7. By pressing key: ▶▶ broadcast of next program. By pressing the key for some seconds, volume is increased.

8. No audio signal: device shut down automatically after 55 seconds.

Declaration of Conformity

This device complies with part 15 of the FCC rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation of the device.

Modification Statatement

changes or modifications not expressly approved by the party responsible for compliance
could void the user's authority to operate the equipment.
NOTE: This equipment has been tested and found to comply with the limits for a
Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are
designed to provide reasonable protection against harmful interference in a
residential installation. This equipment generates, uses and can radiate radio
frequency energy and, if not installed and used in accordance with the
instructions, may cause harmful interference to radio communications. However,
there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception,
which can be determined by turning the equipment off and on, the user is
encouraged to try to correct the interference by one or more of the following
measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different
from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

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 FM Transmitter has 206 frequencies (88.1 – 107.9 MHz) to use.
   Usage of the number keys (0-9) to select a frequency.
   Then press **CH SET** key to confirm and save the frequency.

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

3. <u>Every time **EQ** is pressed the sound characteristics are changed:</u>
   NORMAL (default setting) → ROCK → POP → CLASSIC → JAZZ → BLUES → HALL → BASS → SOFT → COUNTRY → OPERA.
   Press long **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. When an external audio device is connected to the audio-in jack, the playback from USB or SD-card stopps automatically and <u>cannot</u> be started or paused by pressing the PLAY/PAUSE button.

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

- Storage temperature: -5℃ up to +45℃
- Working conditions temperature: 0℃ up to +40℃
- Operation relative humidity: 20% - 90% (40℃)
- Storage relative humidity: 20% - 93% (40℃)
- EMI standard: FCC (class B)
- Supply voltage: 12V DC power
- Electric current: 12V (normal working)＜100mA
- Bit rate: 32Kbps – 256Kbps
- FM transmitting frequency: 88.1 – 107.9 MHz
- <u>Transmitting frequency options:</u> Press CH key to switch channels (can be stored in advance).
- Frequency response: 30 – 15 KHz ± 3db
- SNR (Signal to Noise Ratio):   30db
- Harmonic distortion: ≤1%
- Transmitting distance: 3 – 5 m
- For continuing broadcast: Programme starts broadcast again from last stop.

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 by mistake go to a doctors place or bring the child into a hospital promtly!

- Never short batteries.

- Look for the right polarity (**+**) and (**—**) of batteries! Always change all batteries, never use old and new batteries or batteries of different typs together.

- Do NOT open, deform or load up batteries!
  There is a **risk of injury** by leakaged batterie fluid!

- NEVER throw batteries into fire! There is a **risk of explosion**!

- Take out exhausted batteries from the device.

- Take out batteries from the device when its not used over a longer period of time.

Hints for Enviroment Protection

	Packages materials are raw materials and can be recycled. Separate the packages by types and recirculate them to an adequate recycling on behalf of the enviroment. More detailed information you get from your official civil service.
	Do not disposal old devices into the domestic waste. Disposal old / defective devices professionally! The enviroment will be grateful for that. Information regarding places for disposal and opening hours you get from your official civil service.
	Do not disposal batteries into the domestic waste. Disposal old / empty / defective batteries professionally! The enviroment will be more than grateful for that. Information regarding places for disposal and opening hours you get from your official civil service.

Cleaning

Protect the device from contamination and pollution. Only clean the device with soft cloth or drapery, avoid to use rough or coarse-grained materials. Do NOT use solvents or other aggressive cleanser. Wipe the device after cleaning accurately.

Important Notice

Should battery fluid leak from a battery, wipe the battery-case with a soft cloth dry and put in a new battery!