

# User manual

## MP3 player module for SAAB 9-5 with AUX IN

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MP3 player module for SAAB 9-5 original stereo is a set of hardware and software specially designed for SAAB 9-5 (1998-2005) by replacing old Tape module with new MP3 music player. Music can be played from SD card, USB stick or Aux in (e.g. phone, etc.). MP3 player is controlled over steering wheel buttons and SID buttons. As an option it is possible to order IR remote control option. MP3 player fits to SAAB 9-5 model years 1998-2005 without navigation and with Tape module.



Document version 1.1

Date 09/2106

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Video guide is available in Youtube channel: [www.youtube.com/ittgrouptallinn](http://www.youtube.com/ittgrouptallinn)

## Features

- Playing MP3 music from SD-card or USB stick (with low power consumption)
- Audio input (Aux in) standard 3,5 mm plug
- Equalizer (4 channels)
- Song repeat
- Next and previous song switching
- Moving forward by 10 songs
- Some information is showed in SID

PS We recommend to use SD cards for playing music instead of USB stick. See also optional SD card holder modification for SAAB 9-5 coin holder. <http://www.ittgroup.ee/en/car-electronics/849-sd-card-modification-for-saab-9-5-coin-holder.html>

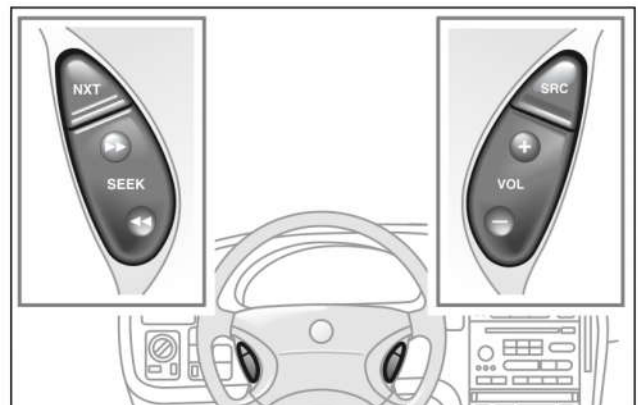
## Functionality

To switch MP3 player use steering wheel button SRC or head unit button TAPE

TAPE Playing A(B) > will be displayed on SID

Depending whether the SD card or USB stick is inserted to MP3 player, music starts playing automatically. It is suggested to use either USB stick or SD card on the same time, not both. When connecting audio cable to AUX IN the player output is automatically switched to AUX input audio.

Controlling song selection is done with steering wheel buttons.



### Steering wheel buttons

**SEEK >>** Next song

**SEEK <<** Previous song

**NXT** 10 song forward Every press moves 10 songs forward

**NXT (3 sec)** Moving to song nr.1 Sound signal on SID

**SRC (TAPE)** MP3 player ON LED will switch ON on MP3 player panel. During playback LED is blinking.

### SID (SAAB Information Display)

Sound and song repeat options are controlled by SID buttons

**SET** Equalizer Short sound notification on SID

**CLEAR** Repeat on/off Short sound notification on SID



## User tips and remarks

### Finding songs

- **NXT** buttons moves 10 songs forward. If there are less songs than current counter, last song starts playing. Counter will be reset every switch off of the main head unit. However, MP3 player remembers last song played from the SD card and continues same song play even if other SD cards are used meanwhile.
- Fast switching of **NXT** button is allowed. For example, if you want to move to song 50, press 5 times **NXT** button and then wait until song no. 50 starts playing. Moving to next or previous song **SEEK** button in steering wheel is used. However, moving back by 10 songs is not directly possible. To do that, first reset counter **NXT** (3 s) and then move to desired number (e.g. no. 40) by pressing **NXT** button (4 times).
- **SEEK** button on steering wheel is used for moving next or previous song. **SEEK** button on head unit cannot be used for same purpose. In case of pressing **SEEK** button on steering wheel too fast a SEEK state of tape function can be stay on and no sound is allowed. If this is the case (SID is displaying: **TAPE SEEK >>**) press head unit **SEEK** button on middle position. This will return playing state and sound is switched on again.
- There is no way to move by folders in SD card or USB stick. Instead we suggest to use different SD cards for different music to reduce music files in one card. In this case it is easier to remember and navigate.

### Messages on SID

- Different functions are displaying messages on the SID. When MP3 module is active common message **TAPE PLAY A >** or **TAPE PLAY B >** is displayed. There is no difference is it showing A or B.
- By using **NXT** button to move to next 10. Song a short message: **SONG NR xx** is displayed on SID. Message is displayed after button reading timeout is reached (counting button press and waiting timeout 0,5 sec). After timeout song number is sent to MP3 module and message is sent to SID.
- Equalizer (**SET** button) has 4 different modes. **EQ1 ... EQ4** messages are shown on SID.
- Repeat song (CLR button) has 2 states. One song repeats on and repeat off. Appropriate message is shown on SID.
- SID messages are shown 1 second. However, if ignition switch is on or car is running messages are shown on different durations up to 1 second. Duration time is random and depends how fast original stereo unit overwrites the MP3 module messages.

### Troubleshooting

- No sound, SID display: **TAPE SEEK >>**
  - Press head unit SEEK button middle position (text SEEK between right and left arrows)
- No sound, SID display: **TAPE PLAY A/B>** or just **TAPE**
  - Remove SD card, USB stick and AUX in plug. Insert again only one music source (e.g. SD card) and make sure there is mp3 music files
  - Move head unit to Radio, check if sound is produced and then move back to Tape
  - Switch off head unit for 10 seconds and then switch it on again
- No sound, SID display: **TAPE ERR xx**
  - Switch off head unit for 10 seconds and then switch it on again
  - Contact manufacturer: Tape simulator is either not working or lost contact between simulator or head unit.

### Optional features

- MP3 module can be equipped with remote control. This option is not installed by default but can be ordered separately. Remote control device offers some additional features like moving to exact song (e.g. song no. 156) and set internal volume level.

See user tutorial video and unit functionality in Youtube channel [www.youtube.com/ittgrouptallinn](http://www.youtube.com/ittgrouptallinn)