

Radio functions in on-board monitor 16:9 (6.5")

E38, E39 with on-board monitor and TV (option 602) or navigation system (option 609)

Situation: In September 2000, a new version of the on-board monitor, with 16:9 format (6.5" screen diagonal measurement), will be introduced on E38 and E39 vehicles. In contrast to earlier versions, a single unit is now planned for all left-hand-drive models worldwide and a unit for the E38 right-hand-drive (E39 RHD models will be fitted with the LHD version of the on-board monitor).

Affected vehicles: E38, E39 with navigation system (option 609)
Manufacturing period: from September 2000

Action: **Setting country-specific radio versions:**

To ensure that the on-board monitor can correctly recognise the country-specific radio versions and present individual functions, the radio must be switch off briefly and back on again once

- after the navigation system operating software has been loaded, or
- after the battery has been disconnected and reconnected again.

Procedure: The new version of the on-board monitor (16:9) has the following range of settings compared to the current on-board monitor:

Overview of radio and audio functions and of service mode:

1. Radio functions

Country-specific radio functions, such as

- **"TP"** (Traffic Program, ECE)
- **"RDS"** (Radio Data System, transmission identification = ECE US)
- **"PTY"** (Program Type, transmission identification = US)
- **"TRAFFIC"** (Traffic Program = Japan)

are no longer activated via their own buttons on the on-board monitor control panel, but rather using softkeys. The button to activate the softkeys is now called "INFO". When this is pressed, the corresponding menu items appear, depending on the country version of the radio installed.

(On the previous on-board monitor control panel, the buttons marked in bold type could be selected directly - depending on the country version.)

2. Audio functions

Other audio functions, such as

- "m" (manual station search)
- "Scan" (play radio station, CD track briefly)
- "I", "II" (station search sensitivity)
- "<< >>" (fast forward or back, CD)
- "Random" (to play CD tracks in random order)
- "< >" (music search for cassette, CD)
- **"Dolby"** B or C

are also activated via softkeys. The button for activating the softkeys is called, as on the previous version "SELECT". In addition there is a change in the way the Dolby system is activated.

(On the previous on-board monitor control panel, the buttons marked in bold type could be selected directly - depending on the country version.)

3. Service mode

The service mode of the on-board monitor radio versions is called up by pressing and holding the softkey **"TP" in the "INFO" menu** within the first 8 seconds of the radio being switched on.

Description of the "INFO" button

Depending on the country version of the on-board monitor radio, the following additional menu items are made available when the "INFO" button is pressed.

1. ECE variant:

Menu item	Time pressed	Function
TP	short	TP on
	short	TP off
	long	TP Select
	longer than 8 seconds	Service mode
RDS	short	REG
	short	FREQ
	short	RDS

2. US version:

Menu item	Time pressed	Function
PTY	short	Show PTY
	short	PTY AUTO
	short	PTY MAN
RDS	short	RDS ON
	short	RDS OFF
	longer than 8 seconds	Service mode C43 US

3. Japanese version:

Menu item	Time pressed	Function
"INFO" button	short	Traffic Program

Description of the "SELECT" button

Depending on the operation mode of the on-board monitor radio, the following additional menu items are made available when the "SELECT" button is pressed.

1. Radio mode

No difference to current functions of the "SELECT" button.

2. Cassette mode

Menu item	Time pressed	Function
"SELECT"	short	DOLBY B
	short	DOLBY C
	short	DOLBY OFF

- Pressing the "SELECT" button thus runs through the different DOLBY operating modes.

Recognition of country-specific functions:

To enable the country-specific functions of the softkeys to be correctly activated by the navigation software (valid from operating software version V16), the following routine should also be performed:

1. **After loading the operating software** and encoding the navigation computer, **the radio must be switched on once**. Only then can the graphics component of the navigation system record the status of the radio.
2. **After disconnecting and reconnecting the battery** in vehicles with the current on-board monitor radio versions and the new on-board monitor, **the radio must likewise be switched on once** to enable the navigation system software to recognise the operating status of the radio and to activate the appropriate softkeys.