

# RDS Radio data system in car stereo

At present, All car DVD Player can support RDS Radio function. It plays an important role in the car entertainment. RDS Radio data system can display received show the broadcast name and other information. It can find what you need the radio broadcast show via program type. If you listen the music shows, it can display the song and artist name on the stereo screen. It can automatically search radio station and you can press already searched radio station for long time( normal above 3 second), the station is saved. If you listening the traffic broadcast station, you can know more traffic knowledge and road condition, it is good for transportation safety.

This is our car DVD player RDS radio data system frequency range:AM/ FM Tuner(Worldwide)AM frequency range: Europe(522-1620), America(530-1710), Russia(522-1620), 18 stations preset. FM Tuning range: Europe(87.5-108), America(87.5-107.9), Russia(65.0-108.0)



The following information fields are normally contained in the RDS data:

## **AF (alternative frequencies)**

This allows a receiver to re-tune to a different frequency providing the same station when the first signal becomes too weak (e.g., when moving out of range). This is often utilized in car stereo systems.

## **CT (clock time)**

Can synchronize a clock in the receiver or the main clock in a car. Due to transmission vagaries, CT can only be accurate to within 100 ms of UTC.

## **EON (enhanced other networks)**

Allows the receiver to monitor other networks or stations for

traffic programmes, and automatically temporarily tune into that station.

**PI (programme identification)**

This is the unique code that identifies the station. Every station receives a specific code with a country prefix. In the US, PI is determined by applying a formula to the station's call sign.

**PS (programme service)**

This is simply an eight-character static display that represents the call letters or station identity name. Most RDS capable receivers display this information and, if the station is stored in the receiver's presets, will cache this information with the frequency and other details associated with that preset.

**PTY (programme type)**

This coding of up to 31 pre-defined programme types (e.g., in Europe: PTY1 News, PTY6 Drama, PTY11 Rock music) allows users to find similar programming by genre. PTY31 seems to be reserved for emergency announcements in the event of natural disasters or other major calamities.

**REG (regional)**

This is mainly used in countries where national broadcasters run "region-specific" programming such as regional opt-outs on some of their transmitters. This functionality allows the user to "lock-down" the set to their current region or let the radio tune into other region-specific programming as they move into the other region.

**RT (radio text)**

This function allows a radio station to transmit a 64-character free-form text that can be either static (such as station slogans) or in sync with the programming (such as the title and artist of the currently playing song).

**TA, TP (traffic announcement, traffic programme)**

The receiver can often be set to pay special attention to this flag and, for example, stop the tape/pause the CD or retune to receive a traffic bulletin. The TP flag is used to allow the user to find only those stations that regularly broadcast

traffic bulletins whereas the TA flag is used to signal an actual traffic bulletin in progress, with radio units perhaps performing other actions such as stopping a cassette tape (so the radio can be heard) or raising the volume during the traffic bulletin.

So you can see RDS radio data system is very usefull and important in car stereo. It is widely used Europe, America and Russia. Welcom to visit to our site get more car stereo: [www.autopumpkin.com](http://www.autopumpkin.com).

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## What kind of Car GPS Navigation is the Best?

Sometimes [plug and play gps navigations](#) is not work, it is caused by various reasons. In order to avoid this problem, Autopumpkin.com offer to buy car GPS dvd player suggestions, as follows:

First, the product works is key. Even the quality can not be assured how easy to use, the more do not talk to after-sale service. There are lots of surface looks like GPS, but quality is far from. You can pay attention to observe the machine closed, SD card slot, USB interface, headset interface and so on.

Second, GPS satellite search speed in the tens of seconds, the seach speed is an important standard to measure the quality of GPS navigation product. Positioning time GPS during cold start is generally 30 seconds to 2 minutes, hot start is generally 10~30 seconds before. The so-called cold start, refers to restart the GPS connection, it determines the position of the

time required for now. Hot start is not restart the state star search time.

Third, the appearance of the product. At present, GPS navigation equipment the main screen is 6 or 7 inches and screen can touch. Under normal circumstance, the driver in the driving process has most no chance to see the GPS map, all is according to the navigator voice and driving.

Fourth, all accessories products supporting: to have a look the related accessies such as data cable, stylus, GPS antenna, Free map card, manual is complete.

Fifth, navigation map is the core of GPS product. Navigator is good, the most crucial map. We can offer the up to date map and you need to us for download to it.

Sixth, listen to the voice playback: in the purchase of GPS, must carefully test for speech intelligibility, listen to the sound is clear, there is no distortion. At the same time to test the GPS broadcast content is accurate. The best in the relatively noisy environment, taking away from their 1 metres distance test shall prevail.

Now recommend this one is high quality to you. It has the many key feature like: 6.2 inch HD capacitive touch screen, Cortex A9 dual-core 1.6GHz, Ram Samsung DDR3 1GB, 8GB menory, support both 3G and wifi, Support OBD2, Support 1080P video, Support DVR, 4GB Free map card, AV-IN for reverse camera etc.



# The Best Car GPS Navigation For your beloved BMW E39 Series

If you feel boring when you are driving BMW car in a long journey. If you can't drive out without a car navigation. You should buy a car navigation system guidance route for you. Navigation is not only a navigation, you can do it still has a lot of functionality. So to follow in the footsteps of I take a look at the other.

Now, recommend to you a [in-dash dvd player](#) for BMW E39 series. There are few pure android car radio in the market now. Now we have it. This is the latest pure android 4.2 GPS dvd player. Adding the android OS to a car radio, this pure android opens up a whole world of possibilities with Android's capability to customize and expand. On the top of the regular multimedia capabilities of a car radio, you can now download your own favorite apps, play android games that everybody is playing, and surf the internet with high speed 3G/WIFI. The pure android meets every need of kids, the adults, the driver, and the passengers. Finally a car radio that transforms each drive an entertaining experience for everyone in the car.



The BMW E39 GPS DVD has a lot of unexpected features some of them are you. You'll never have to worry about losing your way, where's the next turn, fumbling around with a street directory, this head unit is not only capable of telling you which turn to take next, but also providing detailed mapping of your route via the 7 inch touch screen.

It provides support for vector graphics through open VG1.1 and 3D graphics.

After you connect a 3G dangle, you can use this unit as a Wifi hotspot, then other people can use your hotspot to surf the internet.

For this unit, it can work with most of Bluetooth ELM327 OBD2 dongle in the market, retrieving realtime data and trouble codes from your vehicles computer. You can buy the dongle from us, please search "[OBD2 Scanner](#)" it on our store or contact us.

Support 3G WCDMA/ CDMA2000/ TD-SDMA via 3G dongle or via phone as Wifi hotspot.(This product don't have 3G dongle. If you need 3G dongle, please contact us)

The high resolution color TFT LCD (800\*480)display brings images to life, showing off your treasured photos, favorite movies and music with the same "real life"rich detail and vibrant colors as high quality prints.

This DVD player is compatible with most DVD, VCD, CD discs in the market.

Built in Bluetooth for hands free calling and music playback. Support DVR function, ipod audio input, RDS Radio DATA System and 1080P video.

Steering wheel remote adaptor ready to take control of you music safely on the move. With this function, you can intently focus straight ahead, which will make the driving safer.

Also support rear camera input, automatically switch to rear camera when reverse the car.

So get the best android GPS navigation For your beloved BMW E39 Series from [Autopumpkin.com](http://Autopumpkin.com).

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