

**European Integrated Systems, Ltd.
E39 Kit selection information**

For some background, when BMW designed the Bluetooth system for their 2003+ E39s they intended for the customer to purchase the ULF module itself, an installation kit, and a mounting bracket. On top of that, to have a functioning cradle for your particular phone (for phone charging and uses of an external antenna) you would then need to purchase the cradle insert specific for your phone and the external antenna.

As it turns out, there are cradle inserts available for only a select few models of phones, including the Nokia 6310I, the Sony Ericsson T610/616/637, the Siemens S55/56 and some others. Many of which are not available through US BMW channels as of this writing.

The inherent benefit of using Bluetooth wireless technology is the fact that the phone can be virtually anywhere in the vehicle – purse, briefcase, etc. This is somewhat defeated if you use a cradle all the time (if you install a cradle you do not have to place the phone in the cradle for it to work).

If you own a phone that does not have a cradle adapter/insert available for it then having the cradle in the vehicle is a bit of a waste. With the installation kit, you do get a pairing button as part of the cradle however this is not required with our retrofit version of the ULF module.

So, here are some +/- points for you to consider:

	W/ Cradle/Install kit	W/O Cradle/Install Kit
Cost	About \$80 extra	--
Installation	Extra 45 minutes or so	--
Pairing	Done completely from drivers seat.	Requires access to trunk.
Phone charging	Requires purchase of the cradle Snap-In-Adapter (\$150)	Must be done with a cig. lighter cord or similar.
External antenna Utilization	Requires the cradle adapter and External antenna purchase plus Installation. And you cannot have Bluetooth antenna in the console.	Not available
Bluetooth antenna placement	Can be in trunk or console if you do not use a cradle insert.	Can be mounted in center console or trunk

Lets discuss Bluetooth range and the placement of the antenna. Your kit will come with a small antenna that is used for the Bluetooth communication between the car and the phone. There are two placement options available to you. One (the default for our kits) is to place the antenna in the trunk in the area of the CD changer – you will have about 3 feet of cable and can extend it up and forward towards the cab as far as you can. Mount

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it with double sided tape or tie wraps – that is at your discretion. We can also ship your kit with the adapter cable such that you can place the Bluetooth antenna under the armrest. This will give you slightly better sound quality with some phones and slightly longer battery life as the Bluetooth transmissions can be of lower power. However, as mentioned earlier, you lose the flexibility to later install a cradle insert/adaptor and an external antenna because you will be using the antenna wire for the Bluetooth antenna.

Mounting brackets – again, BMW intended to install the ULF module in the trunk near the CD changer. They have brackets available for sedans with and without NAV that can be retrofitted to the older cars with very little modification. On my 2000 540 all I had to do was remove a number of screws/bolts, refit everything with the bracket and retighten. I did need to purchase three 5mm Metric bolts and five matching nuts from the home center for about \$1.50. If your car had an older BMW phone that you are removing, you may find that with a little modification that you can reuse its bracket. You can also mount this with tie wraps if that is your only option although we suggest ensuring a good snug attachment as this unit weighs a pound or so.

Here is a summary of your purchase/configuration options for the ULF based kit:

(post 12/99 to 3/02 build date)

E39LFO1 OEM Bluetooth retro-fit without Installation kit

E39LFI1 OEM Bluetooth retro-fit with Installation kit

(pre 12/99 build date)

E39LFO3 OEM Bluetooth retro-fit without Installation kit

E39LFI3 OEM Bluetooth retro-fit with Installation kit

Each kit includes the ULF module, BMW microphone, Bluetooth antenna, and cabling necessary for your vehicle. Installation supplies are not included. Installation kit adds the cradle/pairing button for use in the center of the armrest, double sided tape for antenna, mounting bolts, and a Bluetooth passkey card as well as antenna adaptor cables as required.

All kits purchased through EIS come with official BMW Owners Manuals and Installation manuals as well as our installation supplemental documentation and email or call back technical support.

You will need to specify your Bluetooth antenna mounting intentions at the time of purchase, however if you change your mind down the road (if BMW later comes out with a cradle insert for your phone) we can arrange to “upgrade” your kit with the required parts including the installation kit if needed for a minimal cost.

Mounting brackets are available at your dealer (we can help you if necessary – i.e. You live 100miles from a dealer).

Cradle inserts are available at your dealer or sometimes on Ebay (again, we will help as best we can to find you one).