

BMW E90 SE

Retrofit External Mic Andrive AN-9X

Overview

This document will demonstrate how to install an aftermarket Microphone to the Andrive AN-9X head unit.

Prerequisites

Check what size mic you need, this should either be 2.5mm jack or 3.5mm jack. I went with this from ebay £5;

3.5mm Car External Microphone Mic for GPS DVD Radio Stereo Bluetooth Navigation



Time Taken

This should take about 20 minutes from start to finish.

Tools Needed

1x Small Flat Head

Used to remove Headunit

1x TX20 Torx Screwdriver

Used to remove Airbag pillar and footwell trim



Difficulty

2 /5 (not very difficult)

WARNING

This involves removing the driver side air bag cover.

I take no responsibility for any damage to yourself or your car, this is carried out at your own risk.

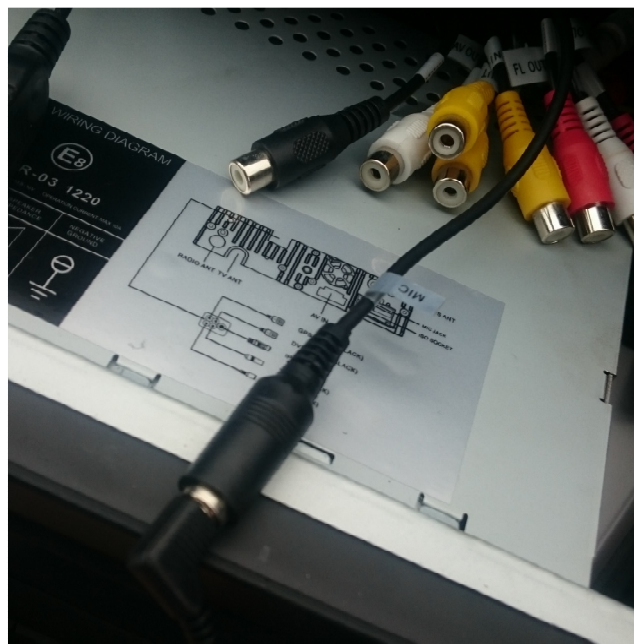
Removing the Head Unit

To remove the head unit there are two rubber plugs to remove on either side of the head unit. Once removed, unscrew the screws holding the head unit in. Once unscrewed use the flat head to pry the unit out of the hole, being careful not to scratch the unit/trim.



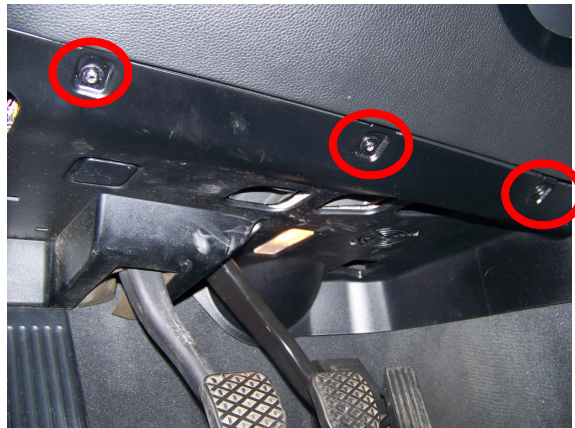
Connect The Mic

Once the head unit has been pried out, connect the mic to the mic socket on the back of the head unit.



Remove Drivers Foot Well Trim

Remove the footwell trim by unscrewing the 3 torx screws from under the steering wheel.



Feeding the Mic through the dash

This is from inside the dash. The red circle indicates where you're able to feed the mic through. This was a little tight and took a few goes but it will go through the gap.



Removing Airbag Cover

To remove the airbag cover, pry the plastic clip off that says "Airbag" and then unscrew the torx screw. You don't have to fully remove the pillar, as long as you're able to pry it away from the side of the car enough to run the cable that should be fine.



Running the Cable

Now the Airbag pillar has been unscrewed run the cable under the footwell trim. Once running through the trim you can put this back together.



Going from the footwell trim you should now be able to run the cable up to the top of the airbag pillar and put the mic right in the top corner of the windscreen. Once you're happy with the location peel off the cover for the M3 tape and stick it to the windscreen. Once stuck you can now run the cable behind the velvet cover highlighted by the red line in the image below. Once happy screw the airbag pillar back in place.



Excess Cable

Once the cable is now fully run through the dash and up through the door frame if you have any access cable dangling at the bottom, pull this through from where the head unit is, this should tidy everything up. Use a cable tie or equivalent to keep all the excess cable together in the back of the head unit. Once tidied put the head unit back in place.

Testing

Made a call, all is fine!

