

## Why the radio reception is poor

Because the factory unit has a diversity system to choose the antenna with better reception, it has two radio antenna plugs. See below photos:



But all aftermarket head units(include Kenwood, JBL, Pioneer, JVC etc.) only have one standard ISO radio plug, see below photo:



So the diversity system is invalid if only connects one radio antenna to the aftermarket head unit and cause the reception is poor.

More info FYI: <http://tlcfaq.com/main/201205/land-cruiser-lx-470-stereo-wiring/>



**Ben Foltz** · 总统 at Yorklyn Construction Company Inc.

Did you ever try the antenna adapter? I just got a new Kenwood HU and the radio reception is pretty bad. Not sure if the adapter will help significantly or not!

Thanks

Like · Reply · Dec 12, 2013 8:09am



**Robert Redmond**

I didn't use the antenna adapter myself - the reception for the radio is pretty abysmal. As noted the factory unit has a diversity system to choose the antenna with better reception. with the adapter you are simply tying two antenna together which isn't ideal at all but may yield better results. I have XM and Pandora at my disposal as well as a 64GB iPod so terrestrial radio isnt much of a concern for me.

Like · Reply · Dec 21, 2013 2:31pm · Edited

## Solution

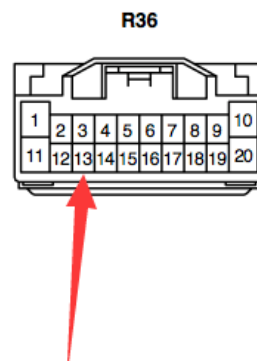
**Item 1. Add one radio antenna adapter with diversity function.**

For example this product: <http://salestores.com/metra40ni10a.html#.V4hVmzVbJMF>



**Item 2. Connect the radio antenna system power wire to +12V. See below photo, pin 13 is the power wire.**

The 20 Pin looks similar to the LC connector (R36) but the pins are out in another order.



*Blank wire listings are empty.*

- 1 **+B** (blue/yellow)
- 2 **Beep** (green)
- 3
- 4
- 5 **????** (red/white) Signal RR +
- 6
- 7 **Mute Amp** (orange)
- 8 **????** (pink) probably Signal FL +
- 9 **Signal Ground** (black)
- 10
- 11 **Acc +** (gray)
- 12 **Illumination +** (white/green)
- 13 **Antenna +** (black/red)
- 14
- 15 **Amp +** (red/black)
- 16
- 17
- 18 **????** (violet) probably Signal RL +
- 19 **????** (yellow) probably Signal FR +
- 20 **Ground** (brown)

+12V

More info FYI: <http://tlcfaq.com/main/2012/05/land-cruiser-lx-470-stereo-wiring/>