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05-11-2006 05:51 PM

#1

Redian ◊

Variable Bitrate



Join Date: Apr 2006
Location: Connecticut, USA
Posts: 400



2004 Subaru Impreza WRX CarPC Install

Car is finished, go to page 6 (if on default for posts per page) to see.

A lot of pictures went down, there are the ones I salvaged, picture log is inaccurate

Page Picture Log:

- Page 1: 12
- Page 2: 10
- Page 3: 14
- Page 4: 3
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- Page 6: 11

i decided i would make a worklog, since i know i will need help from some of you (and some have already given me invaluable information)
Edit 2: Also, it may help me get into college (im looking into

mechanical engineering or computer science, both are great at purdue which i am looking forward to visiting, although i hear the best eating place within a 25 mile radius is olive garden... as well as a few other colleges, mostly in the connect/boston/new york/penn area

Anyway, my baby is a 2004 WRX, ill take a picture when it stops raining...

Edit 3: i never did... ill get one later, if you want to see one now... its on the 2nd page, keep in mind the previous owner (sister boyfriend) rashed the front left side of the car (in that picture) I fixed it by myself, without replacing any parts (just alot of bondo, sanding, priming, painting, hammering, and pieces of metal... i have only a couple pictures (like before and after) of those... maybe ill put those up later... theres still a little shine ont he side since i never buffed the paint (or even polished that with a powertool) which i will do soon, since it is annoying the hell out of me.... but i need a buffing wheel first (if anyone wants to send me a present... or if someone from school is reading it... they are only 30 bucks... heh.. only... im broke lol)

The carputer has been built and running, actually... im using it right now for this post. The lilliput has been setup (however i cant figure out how to configure the touchscreen so it clicks in the right place, Ill figure it out later maybe ill even



if i have time)

the keyboard im using is also quite good (Scorpius-P20 by IOne)

-at this moment i am typing about 20 feet away in another room

so as you can see, it works well enough.

furthermore since i am using a MicroITX board rather than the usual MiniATX i am going to build a plexiglass case for it, (dimms for that are 12"x12"x5 7/8") and ill place that under the passenger seat.

for wiring, ill wire everything

from the computer through the central console (maybe replace the shifter whilst it is open) then run the wires to the amp down to the back where that will be...

However, i may not end up using the **amplifier**, but go for a simpler second headunit approach, and replace the clock with a single din **radio**... since i really have no place to put the amplifier besides the trunk, which may get it banged up

As for pictures, here is what i have so far:

The Wiring Diagrams:

My Original:

A couple Wire errors, (Not big enough) as well as just... vauge stuff going on

And the final verison:

this one is perfect (i think... fuses may be wrong but oh well)

The Motherboard Setup and Working:

only thing not connected is the CD rom drive, i disconnected it to connect the lilliput to test the molex

Components:

components are all here except for the Lilliput and actual computer (the boxes are there), which were running in another room..

CarPC Final Specs:

Motherboard:

CPU: Intel Celeron D 315
(2.25Ghz)

Ram: 1GB BUFFALO DD4003

Hard Drive: 120 GB @ 7200

RPM Maxtor drive (16Mb
Buffer)

Soundcard: AUDIGY 2 ZS PCI

Screen: 7" Lilliput Touchscreen
LCD (1024x768 Resolution)

Keyboard: IOne Scorpius-P20

Wireless RF Keyboard
Wireless B PCI Card

Audio:
500W Phoenix Gold Amplifier
Tx4001 Seperate Component
speakers with crossfades
Stock Front Speakers
Rear Deck Modded for
Component speakers
rear door speakers still in, and
ready to be connected, but are
not

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I am willing to host any legal downloads that may benefit the CarPC community -
PM for info

"When you go 0-60 in 4.5 seconds, you don't need a made up character called fast. Thats
what makes a Subaru, **a Subaru.**"

DG4L

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05-11-2006 09:07 PM

#2

maxxell ◊

Variable Bitrate



Join Date: Dec 2004
Location: Miami, FL
Posts: 441



Nice start. Lemme know if you hit any snags along the way.

A car without turbo is a car with perpetual lag.

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05-11-2006 09:19 PM

#3

Redian ◊

Variable Bitrate



Join Date: Apr 2006
Location: Connecticut, USA
Posts: 400



Alright, i have completely setup my lilliput, works like a charm. Only snag so far
were the drivers not working, i just updated to the beta verisons and it fixed
everything.

now i am on frodoplayer, i am running the RexBruMet Skin (both day and night) and
i just cant seem to find the **skins** for the picture viewer, TV, GPS or camera. ATM it
isnt a problem besides the picture viewer, seeing how i have no TV tuner or
camera on my computer, and the GPS has yet to be installed (one step at a time)

In a couple days the pexiglass for my case comes, hopefully ill be able to set it up
wihout a hitch.

here are more pictures too:

Lilliput Installed in Chassis:

Side View:

Running Frodooplayer (i had to modify the Subaru set... one of the night skins was of a land rover logo, not the subaru stars... if you need it just pm)

Sorry bout bad focus :/

lastly, Media Player Running:

Edit 1: If anyone knows what kind of photo transister the lilliput uses for the IR Reciever, tell me... i want to mount it in the AC vent, but i dont want to take out the one in the board.

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"When you go 0-60 in 4.5 seconds, you don't need a made up character called fast. Thats what makes a Subaru, **a Subaru.**"

DG4L

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05-11-2006 09:26 PM

#4

Sidewalksalvage ◦

Maximum Bitrate



Join Date: Mar 2006
Location: NJ/RI
Posts: 826

WOW look REALLY good so far. Can you post a picture of the IR reciever board. I may have an additional one from my broken screen... I have to check. But if its the same, a few bucks and its yours. 😊

Brown 2010

[Reply With Quote](#)

05-11-2006 10:05 PM

#5

Redian ◦

Variable Bitrate



ill post a picture of it tomorrow if you just tell me the model of your lilli i can tell you if it has a possibility of working.



Join Date: Apr 2006
 Location: Connecticut, USA
 Posts: 400



As for the install, i just got a new visualizer for my computer called G-Force... its nice, cept these stupid advertisements come up every 5 minutes, so i am thinking of buying it or find a replacement, if anyone has it... PM me, i could -Really- use it

2004 Impreza WRX CarPC Install

I am willing to host any legal downloads that may benefit the CarPC community - PM for info

"When you go 0-60 in 4.5 seconds, you don't need a made up character called fast. Thats what makes a Subaru, **a Subaru.**"

DG4L

Reply With Quote

05-11-2006 10:25 PM

#6

Redian ▾

Variable Bitrate



Join Date: Apr 2006
 Location: Connecticut, USA
 Posts: 400



ive changed my mind again, i am going to use the freeware [TwistedPixel Visualizer](#), its very clean and quite nice ^^

2004 Impreza WRX CarPC Install

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"When you go 0-60 in 4.5 seconds, you don't need a made up character called fast. Thats what makes a Subaru, **a Subaru.**"

DG4L

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05-12-2006 04:59 PM

#7

Redian ▾

Variable Bitrate



Join Date: Apr 2006
 Location: Connecticut, USA
 Posts: 400



alright, so i perfected the frontend so all the features work (besides TV and GPS since those have not been installed)

after everything is installed, i have decided ill get an XM Direct **radio** and place that in my car as well, then change the TV button to XM Radio... since i know tv reception cannot be good.

as for the install, i am waiting for the amp atm, and the plexiglass, both should be here on tuesday.. (unless the amp site stole my money, pexi has been shipped)

once i get both of those, ill take apart my car... i want to know if it is possible to disconnect the side airbag without it going off... and connect it so it would work again (although theres no way to test that..)

I also have my first **software** problem... frodooplayer doesnt seem to work correctly when the computer comes out of hibernation... Please PM or post here if you have any information on that.

2004 Impreza WRX CarPC Install

I am willing to host any legal downloads that may benefit the CarPC community - PM for info

"When you go 0-60 in 4.5 seconds, you don't need a made up character called fast. Thats what makes a Subaru, **a Subaru.**"

DG4L

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05-12-2006 11:52 PM

#8

Sidewalksalvage ◦

Maximum Bitrate



Join Date: Mar 2006

Location: NJ/RI

Posts: 826

I think there is a thread about the frodooplayer and hibernation, i vaguely remeber reading about it. Try searching

As for the screen. Its a lilly in the disguise of a "SUPER" display. That is if it is a lilly at all. I read someplaces that it is a lilly and others that it is a xenarc. Eitherway, the reciever may be the same. Post a pic and if its similar we can take it from there 😊

Brown 2010

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05-12-2006 11:54 PM

#9

Redian ◦

Variable Bitrate



Join Date: Apr 2006

Location: Connecticut, USA

Posts: 400



heh will do... ***** camera isnt uploading >.< give me a minute to fix thaat and yeah, ill try and find that thread

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I am willing to host any legal downloads that may benefit the CarPC community - PM for info

"When you go 0-60 in 4.5 seconds, you don't need a made up character called fast. Thats what makes a Subaru, **a Subaru.**"

DG4L

Sidewalksalvage ▾

Maximum Bitrate



Join Date: Mar 2006
 Location: NJ/RI
 Posts: 826

☺ sounds good... i think im going to go to bed now tho...got a track meet in the morning.. but ill check it out tomorrow and see if you can use what i have.

Brown 2010

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By Arathranar in forum General Hardware Discussion

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 Last Post: 10-04-2004, 12:38 PM

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By LESLIEx317537 in forum Engine Management, OBD-II, Engine Diagnostics, etc.

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 Last Post: 05-12-2004, 06:10 PM

[In-Dash DWW-7VGA does not fit Subaru Impreza WRX STi](#)

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