

1. Hardware Set Up

1: Ethernet P -> Yellow or White

2: Ethernet N -> Green

1: over 12 V P -> Red

P2: over 12 V GND -> Blue or Black



1: Power 12V Red

3: Power GND Black or Blue



1: Ethernet P -> Yellow or White

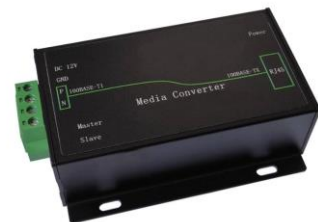
2: Ethernet N -> Green

1: over 12 V P -> Red

P2: over 12 V GND -> Blue or Black

1: Power 12V Red

3: Power GND Black or Blue



PC

2.1 Protocol

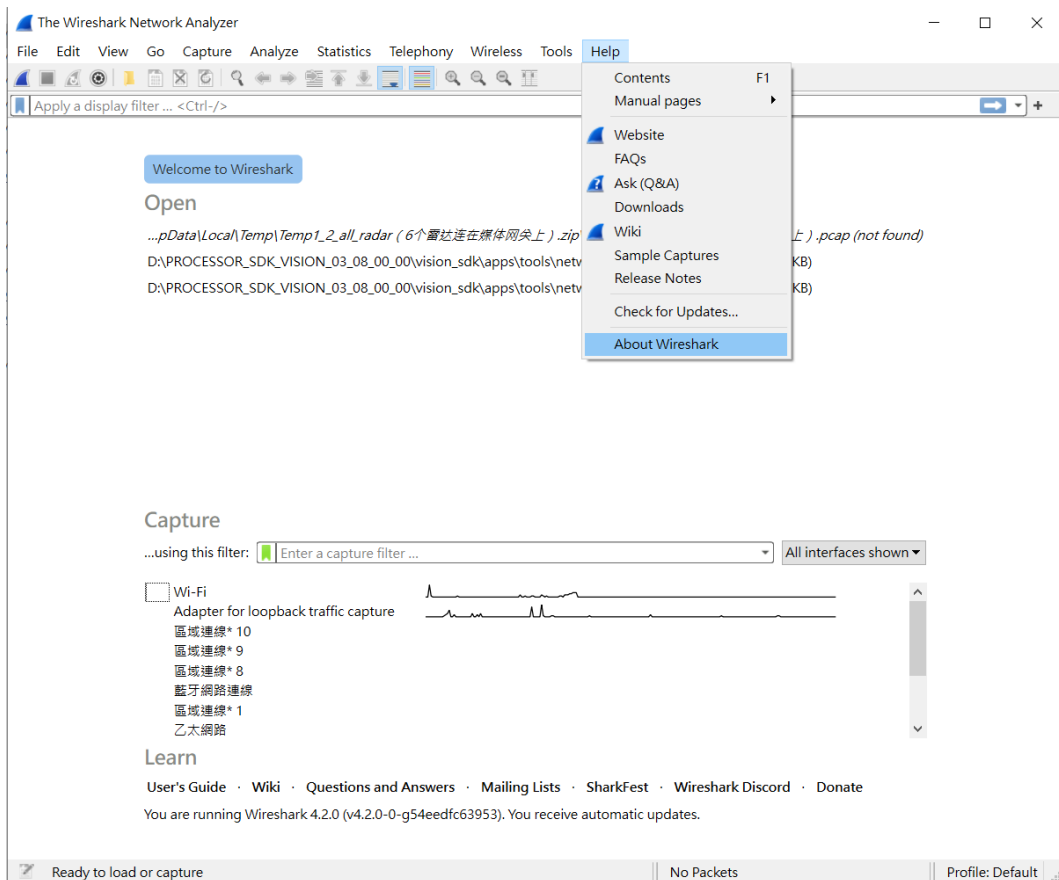


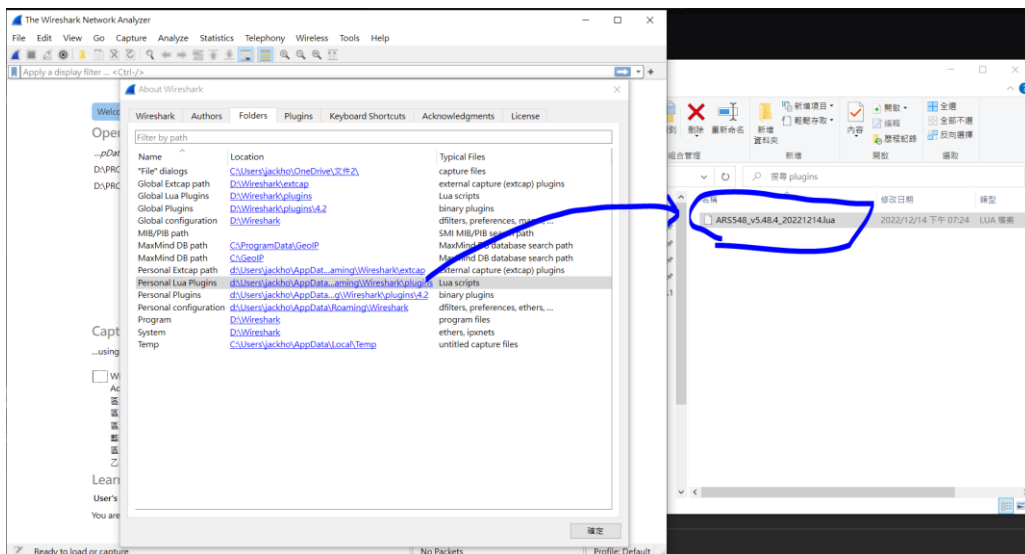
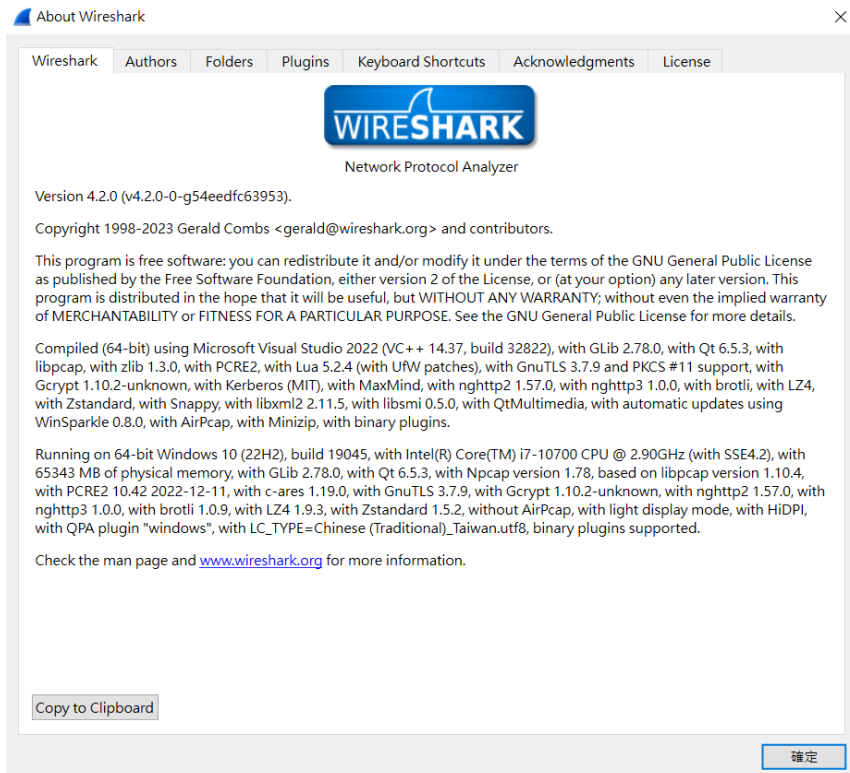
ARS548_IO.xlsx

Confidential

[illegible]

2.2 Get the Packets from Radar

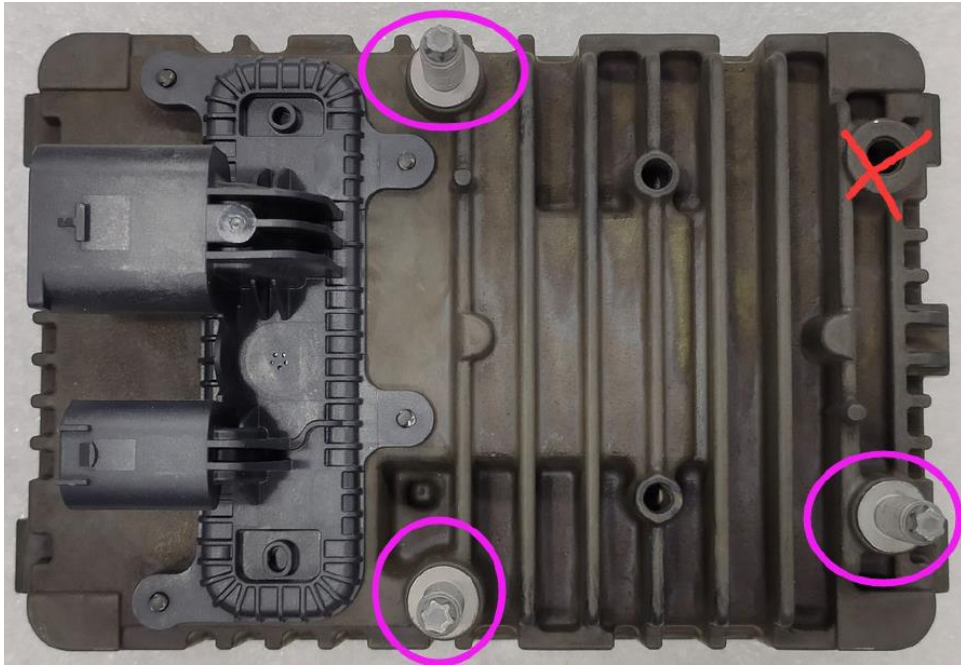




Appendix:

Please, only use the three holes we use for our bolts. The forth hole is on another niveau (level) and if you use the forth hole you will create a statically overdetermined system which

will lead to forces on the radar which will damage it or change its performance.



6. Mounting Guidelines

6.1 Sensor Coordinate System

(is only available for ARS 540 automotive radar)

The sensor component axis or coordinate system is according to AUTOSAR and ISO-8855 standard. AUTOSAR is the AUTomotive Open System Architecture.

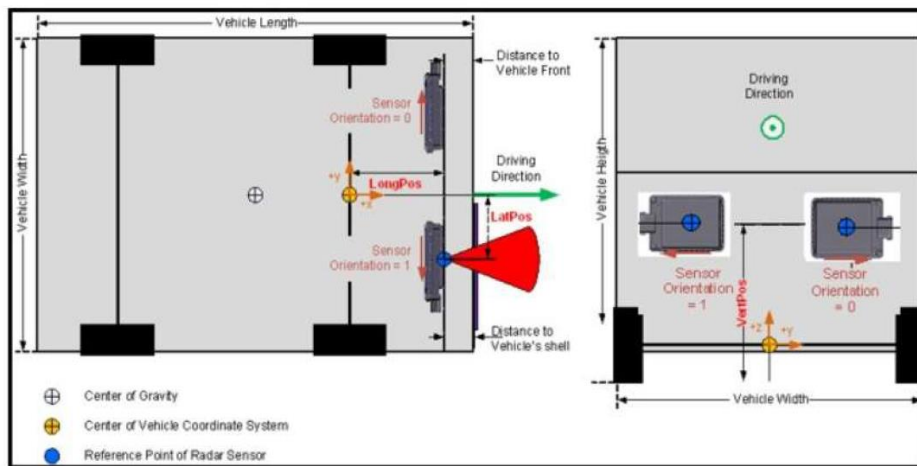


Figure 13: Sensor Coordinate System

ARS540: Range over azimuth angle
(Full output power setting)

