


neoVI FIRE2 user guide

Intrepid Control Systems Korea


1. 제품구성

neoVI FIRE 2



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Alternative Views:



Does not include Vehicle Spy license.
One license required per neoVI device.
Vehicle Spy Enterprise required for DoIP/Ethernet.

Availability:: Usually Ships in 1 to 2 Weeks
Product Code: NEOVI-FIRE2

The following items are included with this product:

- 1 of OBD Cable (choose below)
- 1 of neoVI FIRE 2 Ethernet Cable Adapter (DB26HD-F to DB-25M + DB-9M + RJ-45)
- 1 of neoVI FIRE 2 μDB-9F to DB-9M Cable Adapter
- 1 of microSD Card and Reader Package - 32 GB
- 1 of USB 2.0 A/B Cable - 2m (6')

Choose your options...

Cable:

Qty: [★ Add to Wish List](#)

- neoVI-FIRE2 의 구성품 및 소개자료는 상기 사진과 같이 ICS-Store 에서 확인하실 수 있습니다.
- Link : <https://store.intrepidcs.com/neoVI-FIRE2-p/neoVI-fire2.htm>
- 함께 제공되는 케이블은 아래와 같습니다.



- a) OBD 케이블은 위 사진과 같은 neoVI-OBD-MULTI Cable (DB-25F to OBD-II)을 기본 케이블로 제공 드리며, 필요시 Global B OBD Cable 로 요청하실 수 있습니다.



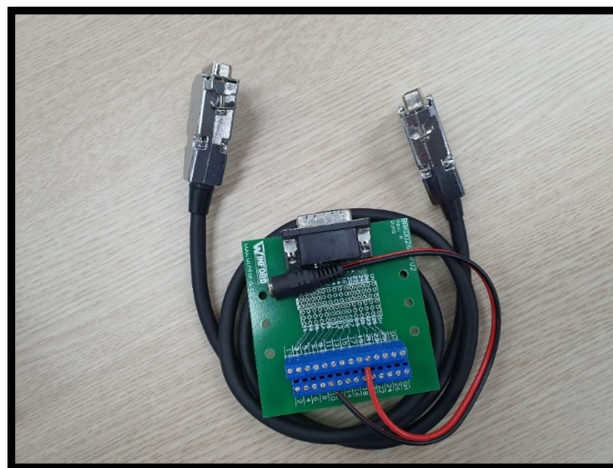
b) <좌, neoVI FIRE 2 Ethernet Cable Adapter (DB26HD-F to DB-25M + DB-9M + RJ-45)>

c) <우, neoVI FIRE 2 μ DB-9F to DB-9M Cable Adapter>



d) <좌, microSD Card and Reader Package - 32 GB>

e) <우, USB 2.0 A/B Cable - 2m (6')>



f) <좌, Vehicle Spy3 software x 1ea (USB card type)>

g) <우, 26pin to 26pin cable with 26pin Winford BOB x 1ea (케이블 x 1, 12V 단자대 x 1), 별도구매 가능>

- neoVI-FIRE2 의 26pin 단자에 연결하여 해당 Pin 에 할당되어 있는 모든 채널을 직접 wiring 할 때 편리함.
- 차량이 아닌 ECU 혹은 Module 등과 연결하는 경우 전원공급을 위한 악세서리.(12V 전원)

2. 장비 연결 방법

a) CAN / MISC , Power 연결

b) 차량 및 Cable, neoVI-FIRE2 연결방법

b-1) Global A platform 차량과 연결 시

차량 OBD port <-> OBD 기본 케이블 <-> Fire2 cable adapter <-> neoVI FIRE2 <-> USB2.0 Cable <-> PC
형태로 연결합니다.

b-2) Global B platform 차량과 연결 시

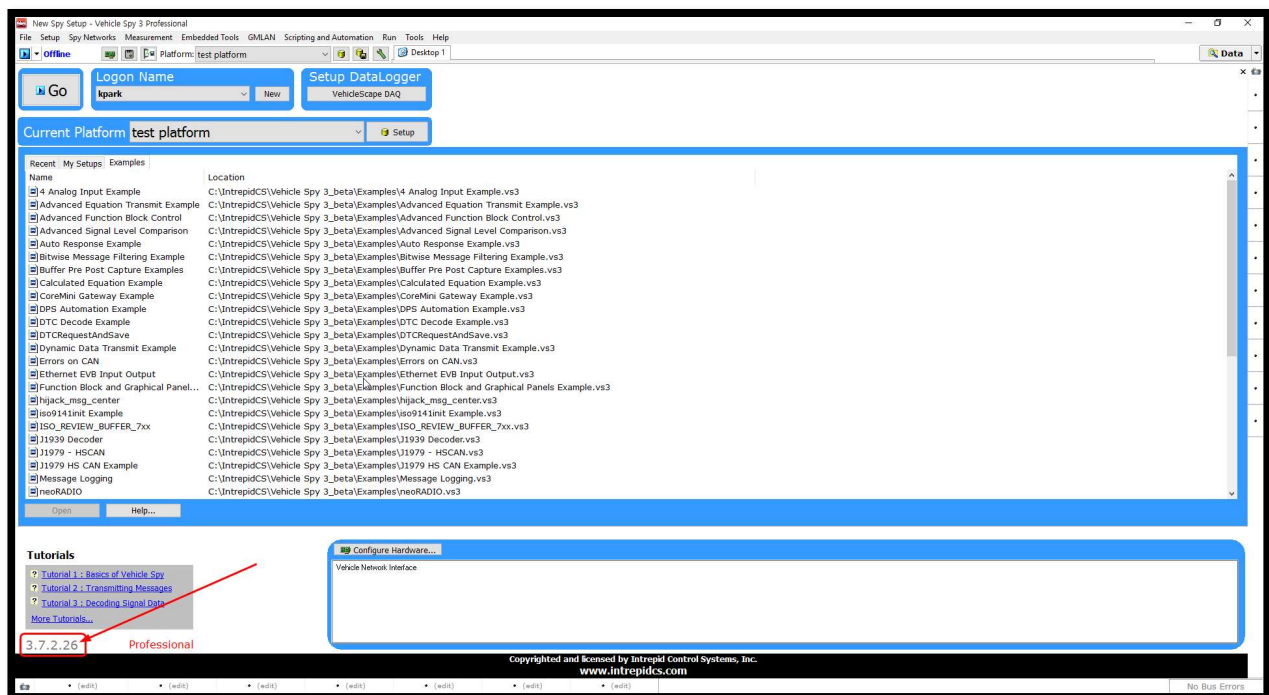
차량 OBD port <-> Global B 용 OBD 케이블 <-> Fire2 cable adapter <-> neoVI FIRE2 <-> USB2.0 Cable <-> PC
형태로 연결합니다.

3. 소프트웨어 구동

a) neoVI FIRE2 와 PC 를 USB2.0 Cable 로 연결 후 Vehicle Spy 3 Software 실행.

b) Vspy3 버전은 반드시 3.7.2.26 버전 이상을 사용하시기 바랍니다.

- Vspy3 버전은 아래와 같이 s/w 실행 후 좌측 하단의 숫자로 확인 가능합니다.

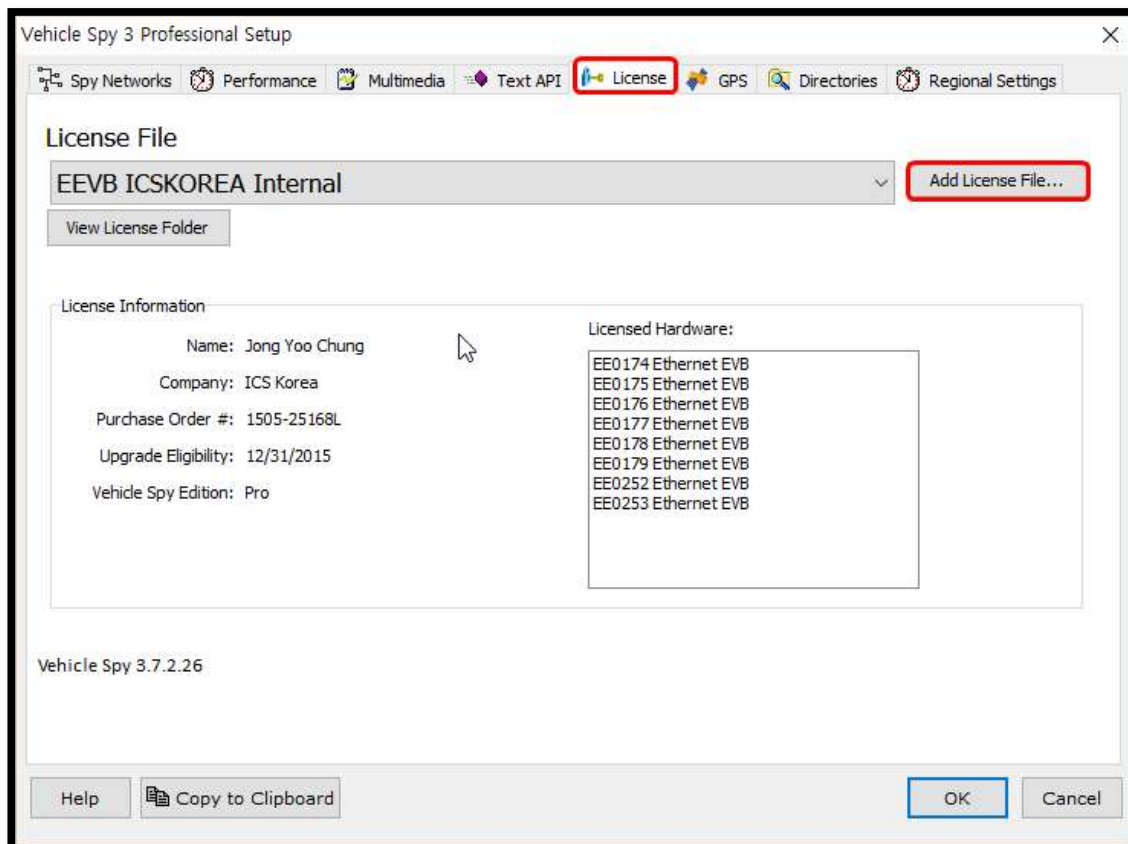


c) On line (실시간 버스 모니터링) 방법

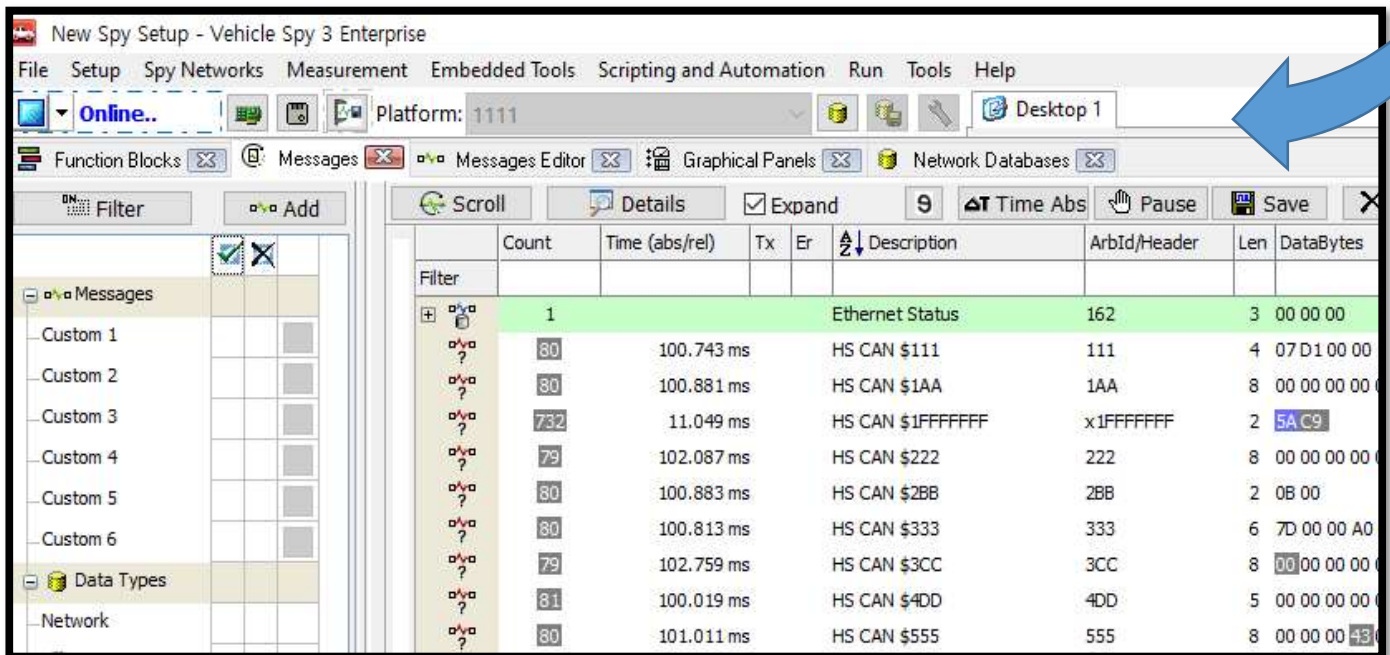
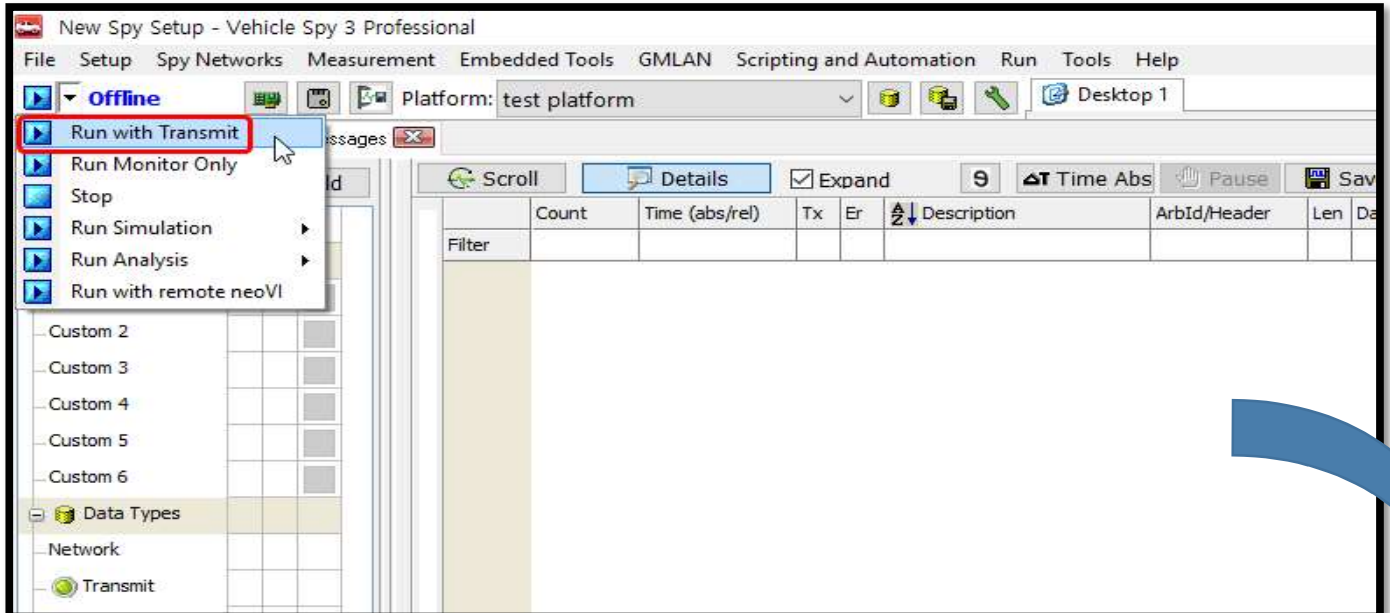
- 정상적으로 USB2.0 cable 연결 후 전원 공급 시 아래와 같이 장비 그림과 S/N 가 화면 중앙 하단에 나타납니다.



d) 아래와 같이 'Tools-options-license'로 이동하여 제품 구입 시 제공드린 Vspy license file (*.lic) 을 등록합니다. (소프트웨어 설치 후 최초 사용시 한번만 진행해주시면 됩니다)



e) 아래와 같이 Vspy3 메인 화면 좌측상단의 화살표를 클릭한 후, 'Run with Transmit'을 클릭하시면 CAN bus monitoring 및 LIN message monitoring 이 가능합니다.



4. CABLE 별 PIN MAP

1) neoVI FIRE2 OBD Cable with Diagnostics over IP (DoIP) Support (HD-26F to DB-25M + DB-9M + OBD-II)

Overview				
This adapter cable converts the HD-26F connector on the neoVI FIRE2 and FIRE2 VNET (for neoVI Plasma and neoVI ION) to DB-25M, DB-9 and RJ-45 (Ethernet) connectors.				
Connector Pinouts and Signal Mapping				
<u>Signal</u>	<u>HD-26F Pin #</u>	<u>DB-25M Pin #</u>	<u>DB-9M Pin #</u>	<u>RJ-45 Pin #</u>
ETH TX+	1			1
HS CAN 4 L	2	23		
HS CAN 5 L	3	22		
HS CAN 1 L	4	15		
MS CAN 1 L	5	6		
HS CAN 2 L	6	17		
HS CAN 3 L	7	20		
HS CAN 6 L / LSFT CAN 1 L	8	4		
ETH TX -	9			2
GND	10	13	5	
ETH RX+	11			3
HS CAN 4 H	12	18		
HS CAN 5 H	13	21		
HS CAN 1 H	14	14		
MS CAN 1 H	15	5		
HS CAN 2 H	16	16		
HS CAN 3 H	17	19		
HS CAN 6 H / LSFT CAN 1 H / SW CAN 2	18	3		
V BATT	19	25		
ETH RX-	20			6
HS CAN 7 L / LSFT CAN 2 L	21	7		
ISO K / LIN 1	22	8	1	
LIN 2	23		2	
LIN 3	24		3	
ETH ACTIVATE	25		4	
HS CAN 7 H / LSFT CAN 2 H / SW CAN 1	26	1		

2) Neo OBD-1 cable or OBD multi cable (OBD 기본 케이블)

This cable adapts the DB-25M connector on many Intrepid hardware devices to a standard OBD-II connector. It has a pinout different from that of the [NEOVI-OBD-MULTI](#), well-suited to GM vehicles.

OBD-II Connector Pinout (Vehicle Side View)**Connector Pinouts and Signal Mapping**

<u>OBD-II Pin #</u>	<u>OBD-II Signal</u>	<u>DB-25F Signal</u>	<u>DB-25F Pin #</u>
1	Discretionary* (GMLAN SW CAN)	SW CAN	1
2	SAE J1850 +	J1850 VPW	2
3	Discretionary* (GMLAN MS CAN H)	MS CAN H	5
4	Chassis Ground	N/C	N/C
5	Signal Ground	PWR GND	13
6	Discretionary* (GMLAN HS CAN H)	HS CAN 1 H	14
7	ISO9141/K	ISO9141/K/LIN1	8
8	Discretionary*	N/C	N/C
9	Discretionary* (GM ALDL)	HS CAN 3 H	19
10	SAE J1850 -	HS CAN 3 L	20
11	Discretionary* (GMLAN MS CAN L)	MS CAN L	6
12	Discretionary*	HS CAN 2 H	16
13	Discretionary*	HS CAN 2 H	17
14	Discretionary* (GMLAN HS CAN L)	HS CAN 1 L	15
15	L line of ISO 9141-2	ISO L	7
16	Unswitched Vehicle Battery Positive	VBATT	25

Note: The table above shows standard signals for the OBD-II connector; this includes J1850, which is not supported by current Intrepid hardware devices.

3) DoIP cable x 1ea(For Global B platform)

This cable breaks out the HD-26F connector on the neoVI FIRE 2 to DB-25M, DB-9M and OBD-II (J1962) connectors.

The cable connects HSCAN (pins 6 and 14) to the HSCAN channel of the neoVI FIRE 2, and the Ethernet TX/RX lines to the discretionary pins, in accordance with ISO 13400-3. It is suitable for all vehicles that gateway all traffic over pins 6 and 14 exclusively, or for use with Diagnostics over IP (DoIP) as specified in ISO 13400.

Connector Pinouts and Signal Mapping

<u>Signal</u>	<u>HD-26F Pin #</u>	<u>DB-25M Pin #</u>	<u>DB-9M Pin #</u>	<u>OBD-II Pin #</u>
ETH TX+	1			3
HS CAN 4 L	2	15		
HS CAN 5 L	3	6		
HS CAN 1 L	4			14
MS CAN 1 L	5			9
HS CAN 2 L	6	17		
HS CAN 3 L	7	20		
HS CAN 6 L / LSFT CAN 1 L	8	4		
ETH TX -	9			11
GND	10	13	5	5
ETH RX+	11			12
HS CAN 4 H	12	14		
HS CAN 5 H	13	5		
HS CAN 1 H	14			6
MS CAN 1 H	15			1
HS CAN 2 H	16	16		
HS CAN 3 H	17	19		
HS CAN 6 H / LSFT CAN 1 H / SW CAN 2	18	3		
V BATT	19	25		16
ETH RX-	20			13
HS CAN 7 L / LSFT CAN 2 L	21			
ISO K / LIN 1	22	8	1	
LIN 2	23		2	
LIN 3	24		3	
ETH ACTIVATE	25		4	8
HS CAN 7 H / LSFT CAN 2 H / SW CAN 1	26	1		

<기타 문의사항은 icskoreasupport@intrepidcs.com 으로 연락주시기 바랍니다.>