






# Site7X






## Installation Guide





## What's in the box

<p>SITE7X TABLET</p>		
<p>DOCKING STATION</p>	 <p>OBDII</p>	<p>or</p>  <p>J1939</p>
<p>EXTENSION CABLE</p>	 <p>OBDII</p>	<p>or</p>  <p>J1939</p>

<p>MOUNT</p> <p>KEYS</p> <p>Optional: LOCK NUT</p>	  
<p>CHARGING CABLE</p> <p>SCREWS X 6</p> <p>ALLEN KEY X 1</p>	 

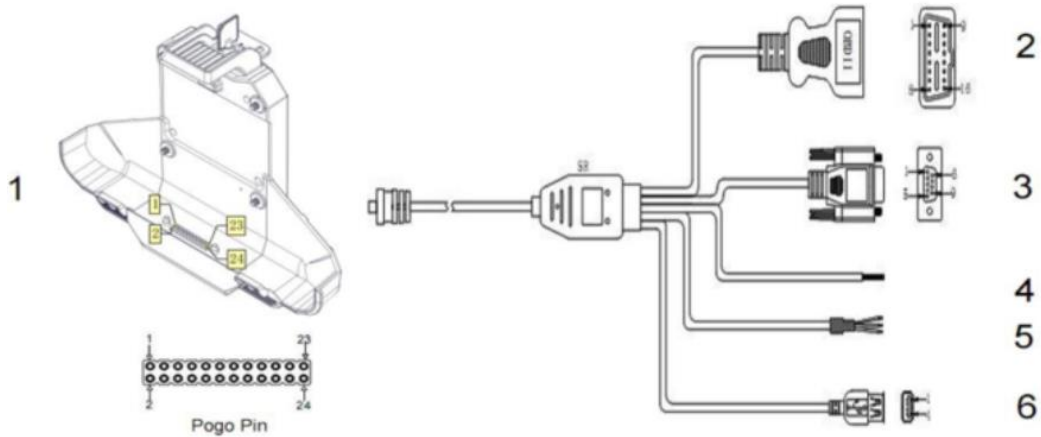
# Important safety instructions

Read these safety instructions carefully:

- Read all cautions and warnings on the equipment.
- Place this equipment on a reliable surface when installing. Dropping it or letting it fall may cause damage.
- Make sure the correct voltage is connected to the equipment.
- Keep this equipment away from humidity.
- Disconnect this equipment from the A/C outlet before cleaning it. Use a moist cloth. Do not use liquid or sprayed detergent for cleaning.
- Do not scratch or rub the screen with a hard object.
- Never use any of the solvents, such as thinners, wax, benzene, abrasive cleaners, acid or alkaline solvents on the display. Harsh chemicals may cause damage to the enclosure and the touch sensor.
- Remove dirt with a lightly moistened cloth and a mild solvent detergent. Then wipe the enclosure with a soft dry cloth.
- If the equipment will not be used for a long time, disconnect it from the power source to avoid damage by transient over-voltage.
- Never pour any liquid into openings. This may cause fire or electrical shock.
- If one of the following situations arises, get the equipment checked by service personnel:
  - a. The power cord or plug is damaged.
  - b. Liquid has penetrated into the equipment.
  - c. The equipment has been exposed to moisture.
  - d. The equipment does not work well, or you cannot get it to work according to the user's manual.
  - e. The equipment has been dropped or damaged.
  - f. The equipment has obvious signs of breakage.

# Tablet Overview

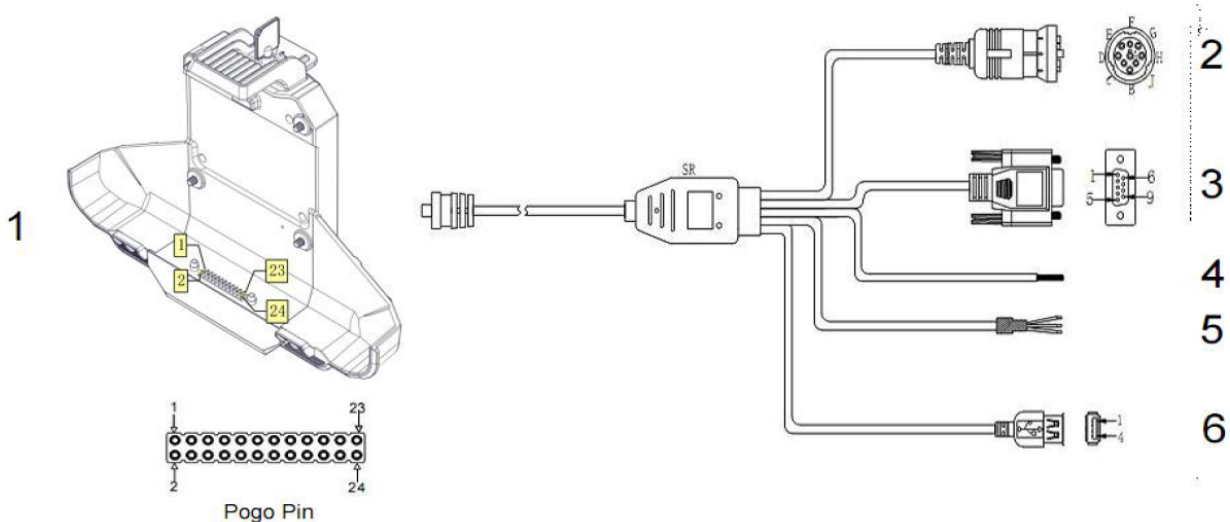
## OBD-II Version




NO.	Item	Definition							
		1	2	3	4	5	6	7	8
1	Pogo pin	GPIO69	GPIO1	GPIO2	GPIO3	GPIO4	ACC	GND	RXD0
		9	10	11	12	13	14	15	16
		TXD0	RXD1	TXD1	GND			ID	DP
		17	18	19	20	21	22	23	24
		DM	VUSB		EN	DC+		DC-	
2	OBD-II	1	2	3	4	5	6	7	8
		Reserved	Bus positive line of SAE J1850	Reserved	Chassis ground	Signal ground	CAN_H line of ISO 15765-4	K_line according to ISO 9141-2 and ISO 14230-4	Reserved
		9	10	11	12	13	14	15	16

		Reserved	Bus negative line of SAE J1850	Reserved	Reserved	Reserved	CAN_L line of ISO 15765-4	L_line according to ISO 9141-2 and ISO 14230-4	Permanent Positive voltage	
3	Com	RS232 /dev/ttyHSL0.								
4	ACC input	Connect with vehicle ACC power. Voltage range: 0-30V. Ps: With ACC function, the device is requested to connect the power source via DC adaptor simultaneously to power on after ignition. please refer to 3-2 for the DEMO and source code of ACC.								
5	GPIO	Red	White	Green	Yellow	Black				
		Voltage range: 0-30V			Voltage range:0-3.7V					
		Input 1	Input 2	Output1	Output2	GND				
6	USB	USB Type-A(can not be used simultaneously with USB Type-C on the device)								

# J1939 Version



NO.	Item	Definition							
		1	2	3	4	5	6	7	8
1	Pogo pin	GPIO69	GPIO1	GPIO2	GPIO 3	GPIO4	ACC	GND	RXD0
		9	10	11	12	13	14	15	16
		TXD0	RXD1	TXD1	GND			ID	DP
		17	18	19	20	21	22	23	24
		DM	VUSB		EN	DC+		DC-	
2	J1939	A	B	C	D	E		F	G
		Battery Minus (Ground)	Battery Plus (+V)	CAN/J1939 High	CAN/J1939 Low	CAN/J1939 shield		Protocol"High"Line,i.e CAN/J1708/J1939 High	Protocol"Low"Line,i.e CAN/J1708/J1939 Low
3	Com	RS232 /dev/ttyHSL0.							
4	ACC input	Connect with vehicle ACC power. Voltage range: 0-30V. Ps: With ACC function, the device is requested to connect the power source via DC adaptor simultaneously to power on after ignition. please refer to 3-2 for the DEMO and source code of ACC.							
5	GPIO output 	Red		White		Green		Yellow	Black
		Voltage range: 0-30V				Voltage range:0-3.7V			
		Input 1		Input 2		Output1		Output2	GND
6	USB	USB Type-A(can not be used simultaneously with USB Type-C on the device)							

# Installation Overview

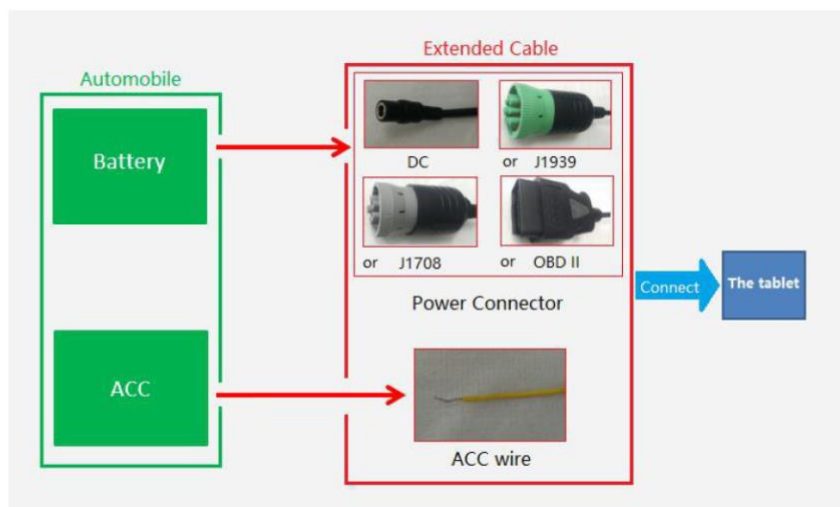
## Indicator lights



Indicator color	Device Status	
	Charging and Discharging	Power On/Off
Green light on	Uncharged or Full charged	Power on
Red light on	Charging	Power off or Power on
Red or Green light blinking	The device is abnormal, please cut off the external power supply immediately and return it back to the factory for repair.	

## ACC Connection Instruction

Connect the tablet to the vehicle power supply through the docking station and connect the ACC wire (yellow wire) with the ACC of the vehicle.



# Alternative methods of install

Please read through the alternative install methods (some manufacturers passcode lock vehicle telematics gateways by default – We recommend speaking with your authorised service centre/vehicle manufacturer if faced with this):

- Some vehicles will need to be connected using a 3<sup>rd</sup> party FMS connector (connecting the tablet to the standard OBD-II/9 pin Deutsch on these assets generally interferes with the vehicle)
  - In this instance, please wire a 3<sup>rd</sup> party FMS connector (not included in the tablet components) into the extension lead provided and connect to the relevant telematics gateway.
  - Or
  - If the alternative connector is not available/blocked → Please wire in **only** the power, ground, and ACC (using the extension lead).
  
- If your asset doesn't have a diagnostic/telematics gateway (OBD-II, 9 pin Deutsch, FMS connector, etc):
  - If the alternative connector is not available/blocked → Please wire in **only** the power, ground, and ACC (using the extension lead).



# Installation Considerations

## Socket

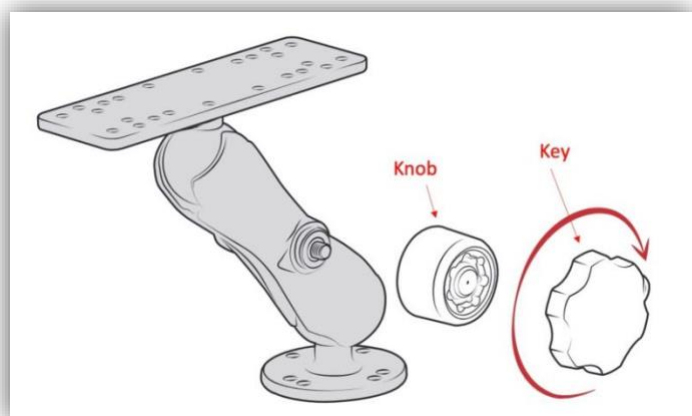
To allow unrestricted access to the diagnostic socket by maintenance personnel, use the extension cable as indicated in the image below.



## Security

### Lock knob

- Remove the original knob from the mount
  - **Caution: The mount is spring loaded, be careful not to lose any parts**
- Screw the lock knob onto the thread using the key provided
- Return the keys back to the tablet box



## Tablet Lock

- Use the provided Keys to lock the tablet into the cradle
- Return the keys back to the tablet box



## Secure the SIM card

- Use the supplied (small) screw to secure the SIM card port



## Location

**TO MINIMISE DAMAGE TO THE CONSOLE, CORFIM LOCATION WITH THE LOCAL DEPOT MANAGER BEFORE DRILLING**

- Attach the mount to place the tablet on the centre console
- Position the mount in a manner to minimise vibration and shaking

Examples of install:

