

JLR Activator (ACT101)

User Manual V1.0

Introduction:

JLR Activator (ACT101) is a Land Rover and Jaguar specific activation devices. It supports Instrument(IPC), Audio Head Unit(AHU), Electronic Shift(GSM), Electronic Steering(EPS), Electrical Park Brake(EPB), InControl Tm Touch(IMC), ABS Module(ABS/ABR) activation of JLR.

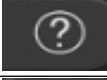
ACT101 can test car part without installing it on the vehicle. It provides convenience for maintenance test.

1. Product Introduction

1.1 Device Introduction:



No.	Name	Description
1		Connect to Car Part
2		Signal Light
3		Warrning Light

4		Power Light
5		Return or Quit
6		Home
7		Help
8		Function Key
9		Function Key
10		Up
11		Down
12		Left
13		Right
14		Confirm

1.2 Technical Parameters

No.	Name	Description
1	CPU	120MHZ
2	Display	2.8 inch
3	Resolution Ratio	320*240
4	Interface	Test Port, USB Port
5	Power Supply	11-30V
6	Storage Temperature	-30~90°C
7	Working Temperature	-10~70°C
8	Humidity	<90%
9	Dimension	200*95*30mm

1.3 Configuration

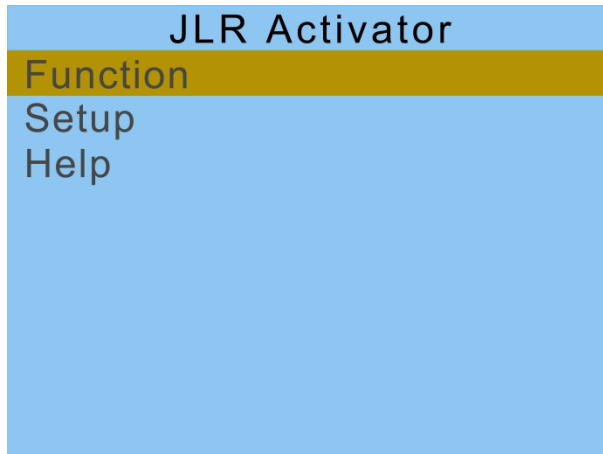
Main Device

Main Cable (with DC Port)

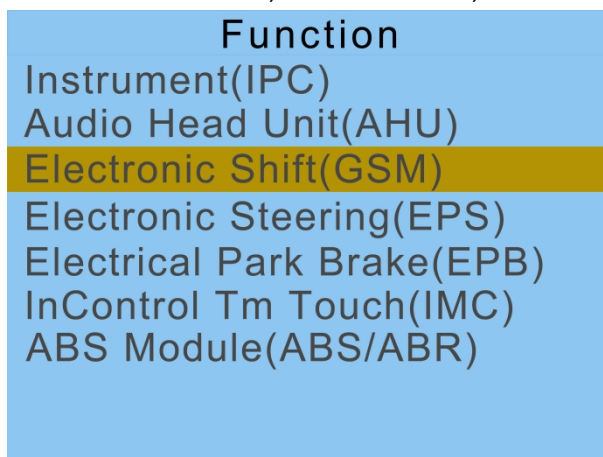
Multi Function Cable

2. Electronic Shift(GSM) Operation:

2.1. Use 12V DC power supply or battery, supply power to the main cable,shown in the following figure



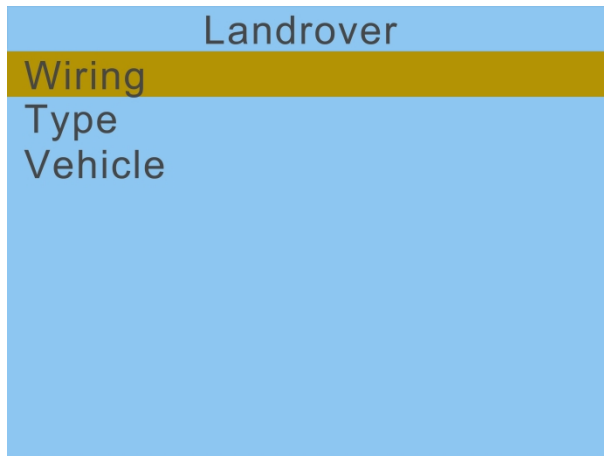
2.2.Select **【Function】** ,Press button 'OK', shown in the following figure



2.3. Select **【Electronic Shift(GSM)】** , Press button 'OK',shown in the following figure



2.4. Select **【Landrover】** , Press button 'OK',shown in the following figure



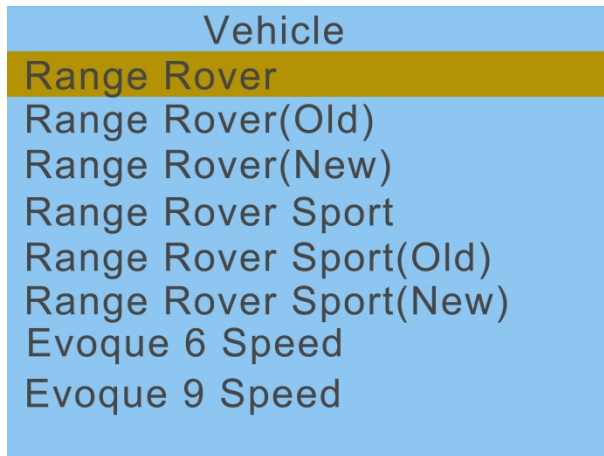
2.5. Select **【Wiring】** , Press button 'OK',shown in the following figure



shown in the figure below is range rover GSM,Please use the Multi Function Cable or JLR GSM Cable(OBD16-12+22).



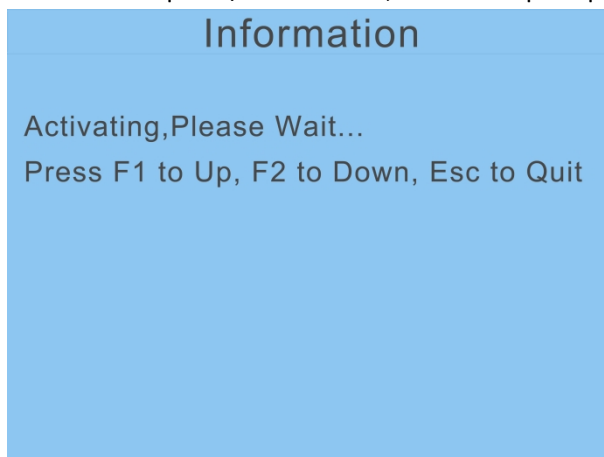
2.6. Wiring complete,Press button '' ,Select **【 Landrover 】** -> **【 Vehicle 】** , Press button 'OK',shown in the following figure



2.7. Select **【Range Rover】** , Press button 'OK',shown in the following figure



2.8. Select **【Upshift/Downshift】** , Follow the prompts,shown in the following figure



Electronic Shift Status: not active, Light Off, Shift Down,shown in the following figure



Electronic Shift Status: Active, Light On, Shift Down, (Press Button 'F1' to Upshift),shown in the following figure



Electronic Shift Status : Active, Light On, Shift Up, (Press Button 'F2' to Downshift),When Electronic Shift Status is Up, You can turn the shift to left or right;shown in the following figure



2.9.Test Complete

3.Electrical Park Brake(EPB) Operation:

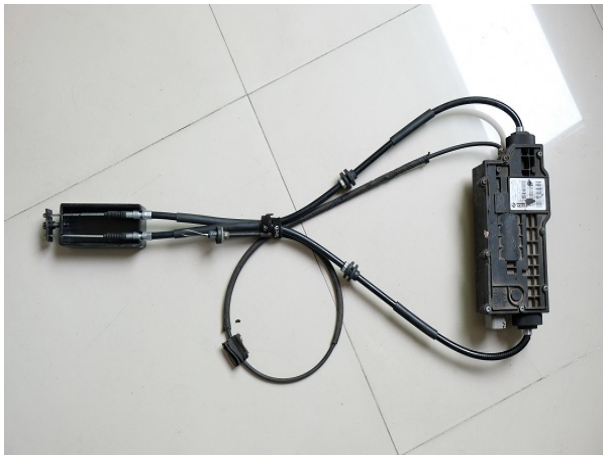
3.1. Please use the original harness according to the wiring diagram provided



3.2. Refit the line as shown in the figure below;Connect CAN1H,CAN1L of device to CAN+,CAN- of Electrical Park Brake side



3.3.Electrical Park Brake side needs to be fixed with a fixture



3.4. Please use the car battery or use a DC power supply of about 10A;If the current not high enough,Electrical Park Brake can not work

3.5.Start the device, Select the corresponding vehicle type to test

3.6. If activation is successful,Press or pull the Electrical Park Brake button,Electrical Park Brake will release or Pull

3.7.Test complete.

4.Instrument(IPC) Operation:

- 4.1. Please connect the device and instruments with Multi Function Cable according to the provided wiring diagram
- 4.2. Please use the car battery or use a DC power supply of about 2A-3A, Connect to the Main Cable DC Port; It can supply power to instruments and device at the same time
- 4.3. Start the device, Select the corresponding vehicle type to test
- 4.4. If activation is successful, instruments light on
- 4.5. Test complete

5. Audio Head Unit(AHU) Operation:

- 5.1. Please connect the device and Audio Head Unit with Multi Function Cable according to the provided wiring diagram
- 5.2. Please use the car battery or use a DC power supply of about 2A-3A, Connect to the Main Cable DC Port; It can supply power to Audio Head Unit and device at the same time
- 5.3. Start the device, Select the corresponding vehicle type to test
- 5.4. If activation is successful, Audio Head Unit screen on.
- 5.5. Test complete.

6. Electronic Steering(EPS) Operation:

- 6.1. Please use the original harness according to the wiring diagram provided
- 6.2. Use a multimeter to find out the Electronic Steering side CAN+ and CAN-, The socket Generally is 5pin.
- 6.3. Connect CAN1H, CAN1L of device to CAN+, CAN- of Electronic Steering side
- 6.4. Please use the car battery or use a DC power supply of about 10A; If the current not high enough, Electronic Steering can not work
- 6.5. Start the device, Select the corresponding vehicle type to test
- 6.6. Test complete.

7. InControl Tm Touch(IMC) Operation:

- 7.1. Please connect the device and InControl Tm Touch with Multi Function Cable according to the provided wiring diagram
- 7.2. Please use the car battery or use a DC power supply of about 2A-3A, Connect to the Main Cable DC Port; It can supply power to InControl Tm Touch and device at the same time
- 7.3. Start the device, Select the corresponding vehicle type to test
- 7.4. If activation is successful, InControl Tm Touch screen light on
- 7.5. Test complete.

8. ABS Module(ABS/ABR) Operation:

- 8.1. Please connect the device and ABS Module with Multi Function Cable according to the provided wiring diagram.
- 8.2. Connect CAN1H, CAN1L of device to CAN+, CAN- of Electronic Steering side.
- 8.3. Please use the car battery or use a DC power supply of about 2A-3A, Connect to the Main Cable DC Port; It can supply power to ABS Module and device at the same time.
- 8.4. Start the device, Select the corresponding vehicle type to test
- 8.5. Test complete.

9. Caution:

9.1.Electrical Park Brake(EPB),Electronic Steering(EPS),ABS Module(ABS/ABR) must use car battery or a DC power supply of about 10A.

9.2.Instrument(IPC),Audio Head Unit(AHU),Electronic Shift(GSM),InControl Tm Touch(IMC) can use car battery or a DC power supply of about 2A-3A.

9.3.Main Cable define: V+ (#16) ,GND(#4) ,CAN+ (#6) ,CAN- (#14).

10.Function List:

Function	Vehicle	Module	TYPE
Instrument(IPC)	Landrover	TYPE	L322(AH42 PIN7/23)
			L405(CPLA PIN7/23)
			L405(DPLA PIN5/21)
			L405(EPLA PIN5/21)
			L405(FPLA PIN5/21)
			L405(GPLA PIN5/21)
			L405(HPLA PIN7/23)
			L405(JPLA PIN7/23)
			L405(KPLA PIN7/23)
			L462(JY32 PIN7/23)
			L462(KY32 PIN7/23)
			L494(DPLA PIN5/21)
			L494(EPLA PIN5/21)
			L494(FPLA PIN5/21)
			L494(GPLA PIN5/21)
			L494(HPLA PIN7/23)
			L494(JPLA PIN7/23)
			L494(KPLA PIN7/23)
			L550(KY32 PIN7/23)
			L551(K8D2 PIN7/23)
			L560(J8A2 PIN7/23)
			L560(K8A2 PIN7/23)
			L560(KPLA PIN7/23)
			L663(L8B2 PIN7/23)
		OTHERS	2014
			2015
			2016
			2017
			Evoque after 2016
			Discoverer 4 after 2010
	Jaguar	TYPE	X260(GX63 PIN5/21)
			X260(HX63 PIN7/23)
			X351(AW93 PIN7/23)

			X351(BW93 PIN7/23)
			X351(CW93 PIN7/23)
			X351(DW93 PIN7/23)
			X351(EW93 PIN7/23)
			X351(FW93 PIN7/23)
			X351(GW93 PIN5/21)
			X351(JW93 PIN5/21)
			X351(KW93 PIN5/21)
			X540(J9C3 PIN5/21)
			X760(HX73 PIN7/23)
			X760(LX73 PIN7/23)
			X761(HK83 PIN7/23)
			X761(KK83 PIN7/23)
		OTHERS	XJ 2014-2016
Audio Head Unit(AHU)	Landrover		2016-2019
			BOSCH Audio 7 inch
			BOSCH Audio 8 inch
	Jaguar		2016-2019
			BOSCH Audio 7 inch
			BOSCH Audio 8 inch
Electronic Shift(GSM)	Landrover	TYPE	L319(EH22)
			L319(BH42)
			L538(BJ32)
			L538(EJ32)
			L538(GJ32)
			L538(HJ32)
			L550(EJ32)
			L550(GJ32)
			L550(HJ32)
			L405(CPLA)
			L405(DPLA)
			L405(EK52)
			L405(GK52)
			L405(HPLA)
			L462(HPLA)
			L560(J8A2)
		Vehicle	Range Rover
			Range Rover(Old)
			Range Rover(New)
			Range Rover Sport
			Range Rover Sport(Old)
			Range Rover Sport(New)
			Evoque 6 Speed

			Evoque 9 Speed
			Range Rover Evoque(New)
			Range Rover Evoque II
			Range Rover Velar
			Freelander
			Freelander(New)
			Discoverer 3
			Discoverer 4
			Discoverer 4(Old)
			Discoverer 4(New)
			Discoverer 5
			Discoverer Sport
			Defender
			Defender(New)
	Jaguar	TYPE	X250(8X23)
			X250(DX23)
			X250(9X23)
			X260(HX73)
			X260(JX73)
			X260(GX73)
			X351(DW93)
			X351(GW93)
			X760(JX73)
			X760(GX73)
			X760(HX73)
			X761(HX73)
			X761(JX73)
		Vehicle	XE
			XE(Old)
			XE(New)
			XF
			XF(Xxx)
			XF(Old)
			XF(New)
			XFL
			XFL(Old)
			XFL(New)
			XJ
			XJ(New)
			XJL
			XJL(New)
			XK
			F-TYPE

			F-TYPE(New)
			S-TYPE
			E-PACE
			F-PACE
			F-PACE(Old)
			F-PACE(New)
			I-PACE
Electrical Park Brake(EPB)	Landrover	TYPE	L319(EH22)
			L320(EH22)
		Vehicle	Range Rover
			Range Rover Evoque
			Freelander
			Defender
			Discoverer 3
			Discoverer 4 after 2010
			Range Rover Sport
			Range Rover before 2010
			Range Rover after 2013
	Jaguar	TYPE	X260(HX63)
			X260(HX73)
		Vehicle	XE
			XF
			XFL
			XJ
			XJL
Electronic Steering(EPS)	Landrover	Vehicle	Range Rover
			Range Rover Sport
			Range Rover Evoque
InControl Tm Touch(IMC)	Landrover	Ngi(IMC)	H9A3
			JPLA
			FW93
			GX63
			HPLA
			J8A2
			KW93
		Nli(IMC)	HX63
			HY32
			GX63
			GX53
			FK72
		Vehicle	Range Rover(New)
			Discoverer Sport
	Jaguar	Ngi(IMC)	H9A3

			JPLA
			FW93
			GX63
			HPLA
			J8A2
			KW93
		Nli(IMC)	HX63
			HY32
			GX63
			GX53
			FK72
		Vehicle	XE
ABS Module(ABS/ABR)	Landrover	TYPE	L405(18MY)
			L663(20MY)
		Vehicle	Range Rover
			Range Rover Sport
			Defender(New)

11. Product Support

If you have any questions, please email info@obdresource.com