Multi Function Activator (ACT102)

User Manual V1.0

Introduction：

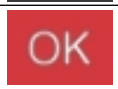
Multi Function Activator (ACT102) is a multi function activation devices. It supports Instrument (IPC), Electronic Shift (GSM), Electrical Park Brake (EPB), Electronic Steering (EPS), Battery Management (BMS), ABS Module (ABS/ABR) activation.

ACT102 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	-30~90ºC
7	Working Temperature	-10~70ºC
8	Humidity	<90%
9	Dimension	200*95*30mm

1.3 Configuration

Main Device

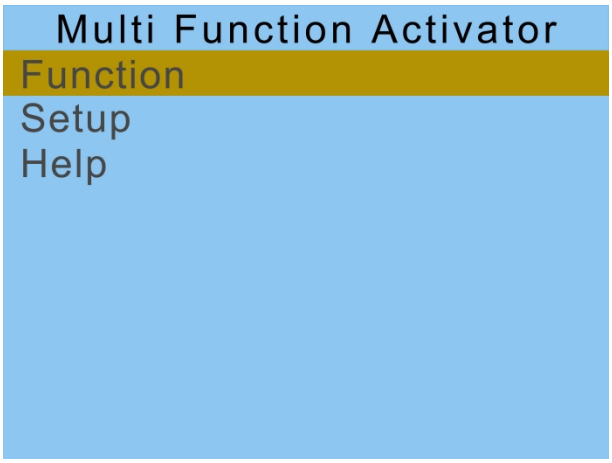
Main Cable (with DC Port)

Multi Function Cable

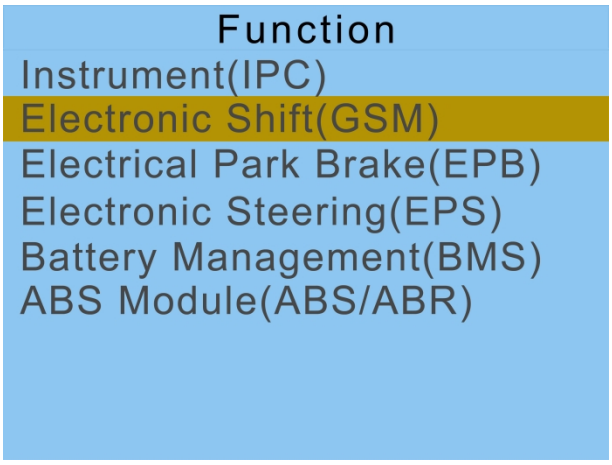
JLR GSM Cable(OBD16-12+22)

2. Electronic Shift(GSM) Operation：

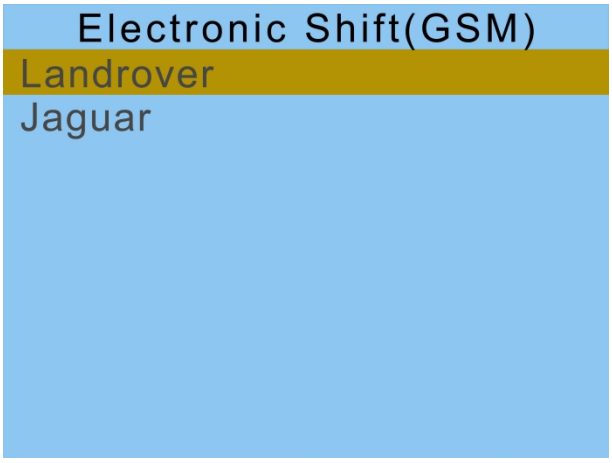
2.1. Use 12V DC power supply or battery, supply power to the main cable,shown in the following figure



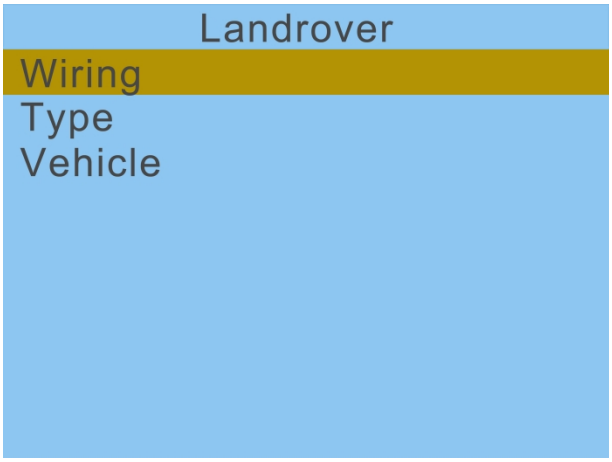
2.2. Select【Function】,Press button 'OK', shown in the following figure



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



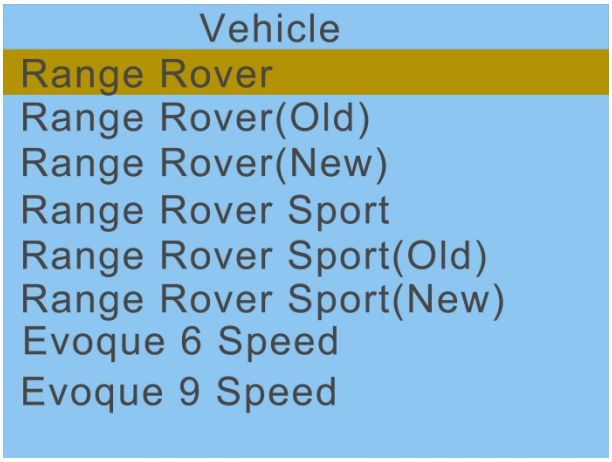
2.4. Select【Landrover】, Press button 'OK',shown in the following figure



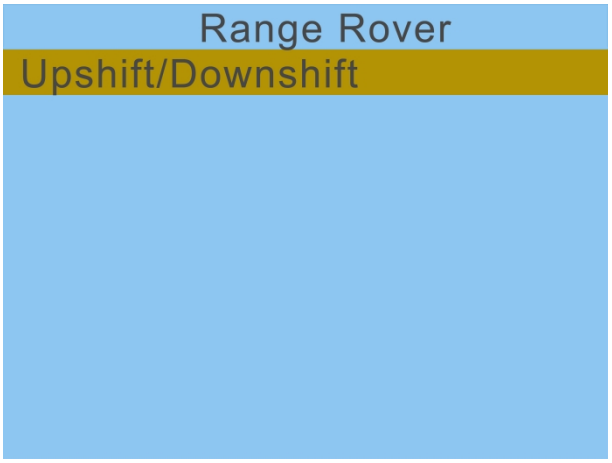
2.5. Select【Wiring】, Press button 'OK',shown in the following figure

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

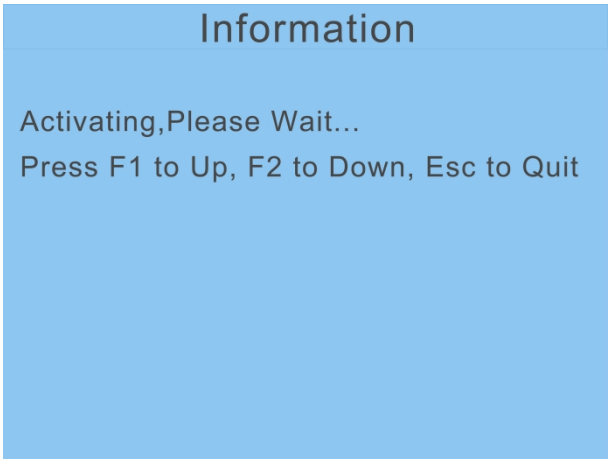
2.6. Wiring complete,Press button '  ',Select 【Landrover】-> 【Vehicle】, Press button 'OK',shown in the following figure



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

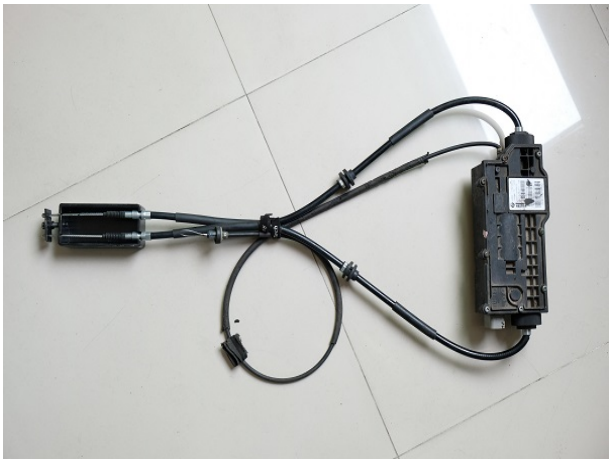
2.9.Test Complete

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 currrent 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. .Electronic Steering(EPS) Operation：

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

5.2. Use a multimeter to find out the Electronic Steering side CAN+ and CAN-,The socket Generally is 5pin.

5.3. Connect CAN1H,CAN1L of device to CAN+,CAN- of Electronic Steering side

5.4. Please use the car battery or use a DC power supply of about 10A;If the currrent not high enough, Electronic Steering can not work

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

5.6.Test complete.

6. Battery Management (BMS) Operation：

6.1. Please connect the device and battery module with Multi Function Cable according to the provided wiring diagram.

6.2. 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 battery module and device at the same time

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

6.4. If activation is successful,Battery Module will ouput voltage

6.5. Test complete.

7. ABS Module(ABS/ABR) Operation：

7.1. Please connect the device and ABS Module with Multi Function Cable according to the provided wiring diagram.

7.2. Connect CAN1H,CAN1L of device to CAN+,CAN- of Electronic Steering side.

7.3. 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.

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

7.5.Test complete.

8. Caution:

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

8.2.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.

8.3.Main Cable define: V+(#16) ,GND(#4&#5) ,CAN+(#6) ,CAN-(#14).

9. Function List:

Function	Vehicle	Module	TYPE
Instrument(IPC)	Benz	W166	
		W117	
		W204	
		W212	
		W213	
		W216	
		W221	
		W222	
		CL550	
		CL63	
		CL65	
		S550	
		S63	
		S65	
	Bmw	F Series F01	
		F Series F10	
		F Series F25	
		F Series F30	
		F Series Others	
		G Series Type1	
		G Series Type2	
	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
	Volkswagen	MQB	
		Phideon	
		Touareg	
	Audi	C6	
		C7	
		MQB	
		A4	2005-2012
		A4L	2016
		A5	2005-2012
		A6	C6 2005-2012
			C7 2005-2012
		A6L	C6
			C7 After 2012
		A7	2005-2012
		A8	2005-2012
		A8L	

		Q3	2005-2012
		Q5	2005-2012
		Q7	2005-2012
			Default
		TT	
	Skoda	MQB	
	Seat	MQB	
	Porsche		Old Chassis
			New Chassis
			Macan
	Renault		Default
			Megane III after 2011
			Clio IV after 2011
			Dacia Duster after 2011
			Lodgy after 2011
			Laguna III
			Scenic II
			Megane
	Volvo		C30
			S60 2011
	Ford		Default
			Mondeo after 2013
			Fusion after 2013
			Kuga 2016
			Mondeo Zhisheng
	Dodge		Jcuv 2013
	Lamborghini		LP750
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)	Benz		W447
	Bmw		E Series
	Bmw		F Series
	Landrover		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		XE
			XF
			XFL
			XJ
			XJL
	Maserati		Quattroporte
			GranCabrio
			GranTurismo
			Ghibli
Electronic Steering(EPS)	Benz	Vehicle	GLK260 X204
	Landrover	Vehicle	Range Rover
			Range Rover Sport
			Range Rover Evoque
Battery Management(BMS)	Benz		Hybrid Battery Drive 48V
ABS Module(ABS/ABR)	Benz		W204
			W207

			W221
	Landrover	TYPE	L405(18MY)
			L663(20MY)
		Vehicle	Range Rover
			Range Rover Sport
			Defender(New)

10. Product Support

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