LAUNCH

IMMO & KEY PROGRAMMING PIONEER

All-in-one Diagnostic Tool for Full IMMO & Key Programming and Vehicle Diagnostics

X-431 IMMO PAD

DIP
DIP SOCKET
LAUNCH
X-431 IMMO PAD V7.03.024
IMMO
IMMO PROG
Key Programmer
Intelligent Diagnose
Remote Diag.&Smartl
Local Diagnose
TPMS
ADAS
Service Function
Feedback
Mall
Software Update
Info Center
Diagnostic History
Other Modules
SmartLink
LAUNCH

ALL-IN-ONE

The X-431 IMMO PAD is the flagship diagnostic scan tool from LAUNCH IMMO & Key Programming family for car security and immobilizer systems. It is not only capable of IMMO functions and key programming, but also excellent at OE-level vehicle diagnostics.

10.1" IPS
Sunlight-readable

Android 7.1
Powerful & faster

2.0GHz
Octa-core
processor

Rechargeable
Station
Included

IMMO & KEY PROGRAMMING

- ECU Reading
- ECU Writing
- ECU Cloning
- ECU Programming
- Anti-theft Password Reading
- Anti-theft Modules Replacement
- Key Adding
- All Keys Lost
- Anti-theft IC Reading & Writing
- Anti-theft Key Matching
- Smart Key Generation

OE-LEVEL VEHICLE DIAGNOSTICS

- Topology Mapping
- X-431 FIX
- Read DTCs
- Clear DTCs
- Live Data Stream
- Bi-directional Control
- Coding
- Programming
- IP65-Rated
- CAN/CANFD/DoIP J2534
- ADAS Calibration
- SmartLink Remote Diagnosis
- 39 Service Functions
- Tech-to-Tech Remote Diagnosis
- TPMS Service
- EV Add-on Kit *
- Key Programmer *
- Adjustable Kickstand
- 4GB+128GB

* EV Add-on Kit

Purchase Separately

* X-431 Key Programmer

Purchase Separately

TOPOLOGY MAPPING

System and Function

X-431 FIX

Optional

Tech Smart Electronics
CarSET
Ultimate Package
HaynesPro
Tech Smart Electronics
TruckSET
Ultimate Package
HaynesPro

5*24H
MON-FRI
Beijing Time, GMT+8

24H TECHNICAL SUPPORT

WIDE VEHICLE COVERAGE

As an IMMO & KEY Programmer pioneer in the automotive aftermarket, the X-431 IMMO PAD also takes advanced functionality for professional comprehensive diagnostics. It serves a wide OE-level coverage for U.S., Asian and European vehicles from 1996 and newer, which is continuously updated.

"IMMO" Vehicle Coverage

IMMO
All
American
European
Asian
Chinese
ABARTH
ACURA
ALFA ROMEO
ASTON MARTIN
AUDI
BAIC
BAIC HS
BAIC NEW ENERGY
BAIC SENOVA
BAIC WEIWANG
BISU
BMW
BRILLIANCE
BUICK
BYD
CADILLAC
CHANGAN
CHANGANFORD

Including:
ABARTH, ACURA, ALFA ROMEO, ASTON MARTIN, AUDI, BAIC, BAIC HS, BAIC NEW ENERGY, BAIC SENOVA, BAIC WEIWANG, BISU, BMW, BRILLIANCE, BUICK, BYD, CADILLAC, CHANGAN, CHANGANFORD, CHANGHE, CHERY, CHERY EV, CHEVROLET, CHRYSLER, CTTROEN, COWIN, DFBF, DFFX, DFNISSAN, DFSK, DODGE, EUROFORD, EV_LEAP, EV_NETA, EV_WELTMEISTER, EXEED, FAW TIANJIN, FERRARI, FIAT, FIAT(BRAZIL), FIATBRAZIL, FORD, FOTON, GEELY, GM, GWM, HAIMA, HANTENG, HONDA, HONDA(DONGFENG), HONDA(GAC), HUANGHAI, HYUNDAI, INFINITI, ISUZU, JAC, JAGUAR, JEEP, JETOUR, JIABAO(FAW), KANDI, KARRY, KIA, KINGLONG, LANCIA, LAND ROVER, LANDWIND, LEXUS, LIAUTO_EV, LIFAN, LINCOLN, LYNKCO, MAHINDRA, MARUTI, MASERATI, MAXUS, MAZDA, MERCEDES-BENZ, MG(SAIC), MINI, MITSUBISHI, MYHR, NAVECO, NIO_EV, NISSAN, OPEL, PERODUA, PEUGEOT, PORSCHE, PROTON, QOROS, RELY, RENAULT, RIICH, ROEWE(SAIC), SAAB, SANYA, SEAT, SGMW, SHINERAY, SKODA, SKYWELL, SMART, SOUEAST, SPRINTER, SUBARU, SUZUKI, TATA, TESLA, TOYOTA, TOYOTA(CHINA), TRUMPCHI, VAUXHALL, VENUCIA, VGV, VOLVO, VW, YQMAZDA, YUEJIN, ZEDRIV, ZHENGZHOU NISSAN, ZOTYE, ZX AUTO, etc.

The vehicle coverage list is continuously getting updated.

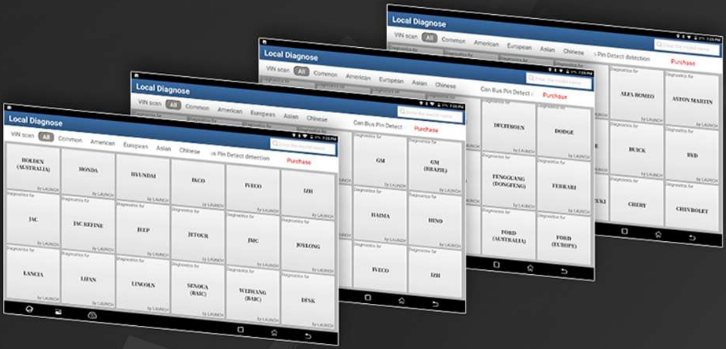
“IMMO PROG” Vehicle Coverage

Vehicle Coverage

Including:
1400 T-JET 595 500_2014, 1400 T-JET ESSESSE GRANDE PUNTA_2009, 1900 JTDM 147_2007/2006/2005/2004/2003/2002, 1900 JTDM 159_2006, 2000 JTDM 159_2009, 1900 JTD 156_2006/2004/2003/2002, 2400 JTD 156_2003, 2400 JTD 159_2007, 2400 JTD Q4 159_2006, 1750 TBI 159_2009, etc.

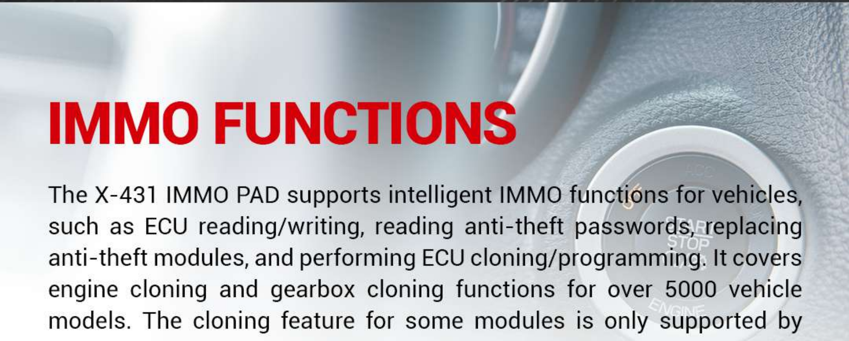
The vehicle coverage list is continuously getting updated.

"Local Diagnose" Vehicle Coverage


Local Diagnose
VIN scan
All
Common
American
European
Asian
Chinese
Pin Detect detection
Can Bus Pin Detect
Purchase
HOLDEN (AUSTRALIA)
HONDA
HYUNDAI
IKCO
IVECO
IZH
JAC
JAC REFINE
JEEP
JETOUR
JMC
JOYLONG
LANCIA
LIFAN
LINCOLN
SENOUA (BAIC)
WEIWANG (BAIC)
DFSK
GM
GM (BRAZIL)
HAIMA
HINO
IVECO
IZH
DFCITROEN
DODGE
FENGGUANG (DONGFENG)
FERRARI
FORD (AUSTRALIA)
FORD (EUROPE)
ALFA ROMEO
ASTON MARTIN
BUICK
BYD
CHERY
CHEVROLET

Including:
ABARTH, ACURA, ALFA ROMEO, ASTON MARTIN, AUDI, BAIC, BJEV, BRILLIANCE, BUICK, BYD, CADILLAC, CHANGAN, CHANGHE, CHANGHE SUZUKI, CHERY, CHEVROLET, CHRYSLER, CTTROEN, DAEWOO, DAIHATSU, DFCTTROEN, DODGE, DR, ECUAID, EVO, FAW(TIANJIN), FENGGUANG(DONGFENG), FERRATI, FIAT, FIAT(BRAZIL), FORCE(INDIAN), FORD, FORD(AUSTRALIA), FORD(EUROPE), FOTON, FUSO, GAZ, GENESIS, GM, GM(BRAZIL), KINLONG, GONOW, GWM, HAFEI, HAIMA, HINO, HOLDEN (AUSTRALIA), HONDA, HYUNDAI, IKCO, IVECO, IZH, JAC, JAC REFINE, JEEP, JETOUR, JMC, JOYLONG, LANCIA, LIFAN, LINCOLN, SENOUA(BAIC), WEIWANG(BAIC), DFSK, etc.

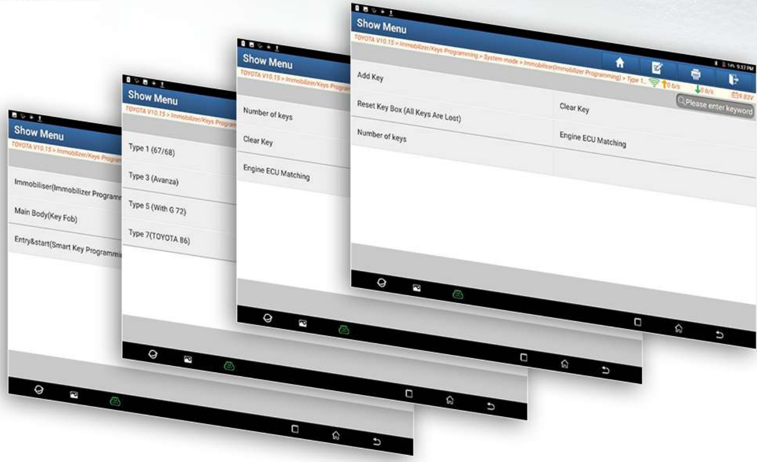
The vehicle coverage list is continuously getting updated.


START
STOP
ENGINE

IMMO FUNCTIONS

The X-431 IMMO PAD supports intelligent IMMO functions for vehicles, such as ECU reading/writing, reading anti-theft passwords, replacing anti-theft modules, and performing ECU cloning/programming. It covers engine cloning and gearbox cloning functions for over 5000 vehicle models. The cloning feature for some modules is only supported by

LAUNCH.


Show Menu
TOYOTA V10.15 > Immobiliser/Keys Programming
Immobiliser(Immobilizer Programming)
Main Body(Key Fob)
Entry&start(Smart Key Programming)
Show Menu
TOYOTA V10.15 > Immobilizer/Keys Programming
Type 1 (67/68)
Type 3 (Avanza)
Type 5 (With G 72)
Type 7(TOYOTA 86)
Show Menu
TOYOTA V10.15 > Immobilizer/Keys Programming
Number of keys
Clear Key
Engine ECU Matching
Show Menu
TOYOTA V10.15 > Immobilizer/Keys Programming > System mode > Immobiliser(Immobilizer Programming) > Type 1
Please enter keyword
Add Key
Clear Key
Reset Key Box (All Keys Are Lost)
Engine ECU Matching
Number of keys

ECU Supporting List

EDC16XX ECM, Bosch
EDC17XX ECM, Bosch
MD1CSXXX ECM, Bosch
MD1CPXXX ECM, Bosch
ME17.X.X ECM, Bosch
MED17.X.X ECM, Bosch
MED9.X.X ECM, Bosch
MEV17.X.X ECM, Bosch
MEVD17.X.X ECM, Bosch
MG1CSXXX ECM, Bosch
MG1CPXXX ECM, Bosch
MSDXX ECM, CONTINENTAL /SIEMENS
MSVXX ECM, CONTINENTAL /SIEMENS
SDIX ECM, Continental
GM EXX/TXX ECM, DELCO
SIM271XX ECM, Continental
SIMOS12.X* ECM, Continental
SIMOS8.X ECM, Continental
SIMOS-PCR2.X* ECM, Continental
6HPXX TCM, ZF
8HPXX TCM, ZF
7DCT300 TCM, ZF
9G Tronic TCM, Bosch
ALXXX TCM, ZF

TCXX
TCM, Bosch

DPS6/DC4
TCM, GETRAG

DKG
TCM, GETRAG

DLXXX
TCM, Temic

DQXXX
TCM, Temic

MPS6
TCM, GETRAG

SPS6
TCM, GETRAG

VGSX
TCM, GETRAG

VL381
TCM, Temic

MEDG17.9.8
TCM, Bosch

MEG17.9.2
TCM, Bosch

GM 6TXX/6LXX
TCM, DELCO

* ① With the X-PROG 3, the ECU of SIMOS12.X is not supported currently.
* ② With the X-PROG 3, the ECU of SIMOS-PCR2.X is not supported currently.

KEY PROGRAMMING

The X-431 IMMO PAD supports key programming for a large range of makes and models on the market. Pair with the X-431 Key Programmer to perform smart key generations.

Key programming
LA01872858
V1.1.0
Vehicle Remote
Read Transponder
Generate Transponder
Frequency detection
Ignition switch coil signal dete...
Set type of super chip
Set type of wireless remote
Remote function
Unlock Toyota Smartkey
Search
Language
Update
Product Introduction

LA01872858
V1.1.0
Generate

Vehicle Remote/5K0 837 202 E 08–13 1514

Remote information

Version: V11

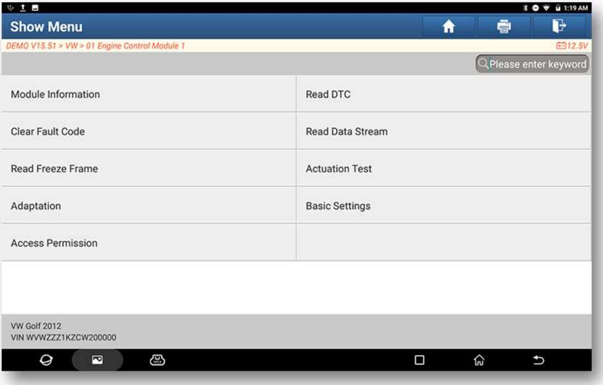
ID: 0563 358
Frequency: 434.42 ASK
Universal remote:
Update date: 2023-11-22 19:43:17

Matching method & Note

Match method :
To be added ! ! ! !

ALL SYSTEM FULL FUNCTIONALITY

The X-431 IMMO PAD scan tool supports all system full functionality for comprehensive diagnostics and services, including reading & clearing DTCs, bi-directional control, live data graph, wireless software update, advanced coding and programming, etc.

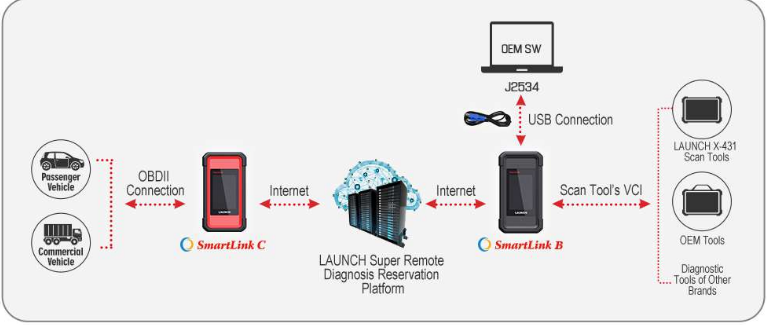

1:19 AM
Show Menu
Please enter keyword
Module Information
Read DTC
Clear Fault Code
Read Data Stream
Read Freeze Frame
Actuation Test
Adaptation
Basic Settings
Access Permission

DEMO V15.51 > VW > 01 Engine Control Module 1

12.5V

VW Golf 2012
VIN WVWZZZ1KZCW200000

SMARTLINK REMOTE DIAGNOSIS


OEM SW
J2534
USB Connection
LAUNCH X-431 Scan Tools
OEM Tools
Diagnostic Tools of Other Brands
Passenger Vehicle
Commercial Vehicle
OBDII Connection
Internet
Internet
Scan Tool's VCI
SmartLink C
SmartLink B
LAUNCH Super Remote Diagnosis Reservation Platform

39 SERVICE FUNCTIONS

- Brake Reset
- Oil Maintenance Reset
- Steering Angle Reset
- Battery Matching
- ABS Bleeding
- AdBlue Reset
- Air | Fuel Reset
- Air Level Calibration
- Coolant Bleed
- Crank Position Sensor Adaptive Learning
- ODO Check
- RESETMSVIN
- Injector Coding
- Intelligent Cruise Control System
- Language Change

Tire Reset

Transport Mode

Windows Calibration

ECU Reset

Gateway Module Data Calibration

Electric Throttle Relearn

TPMS Reset Database

DPF Regen

AC System Relearn/ Initialization

Adaptive Front Lighting

EGR Adaption

Engine Power Balance Monitoring

Gas Particulate Filter Regeneration

Gearbox Relearn

High-Voltage Battery Diagnostics

Motor Angle Calibration

Nox Sensor Reset

Seat Occupancy Calibration

Stop/Start Reset

Sunroof Reset

Rainfall Light Sensor

FRM Reset

Clutch Matching

Turbocharging Matching

ADD-ON MODULES

To explore more functions of the X-431 IMMO PAD scan tool on vehicle diagnostics to increase your workshop business revenue, pairing it with a LAUNCH add-on module is necessary.

VSP-600

X-431 TSGUN

Wi-Fi Printer

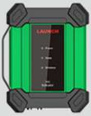
BST360

02-2
Scopebox

S2-2
Sensor Box

X-431
Key Programmer

EG100



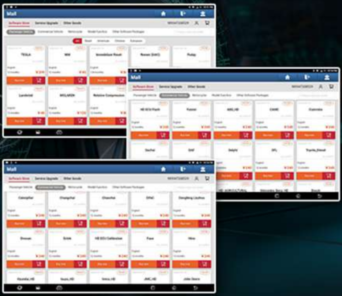
EM101N

ES200

ONLINE MALL

Want to develop your auto shop business to cover more vehicles? Or renew your current software subscription online directly? Tap the icon “MALL” on your tablet and select the software or service you need at any time.

X-431 IMMO PAD V7.03.017
Login
IMMO
t Diagnose
Local Diagnose
Remote Diag.&Smartlink
TPMS
Diagnostic History
Feedback
Mall
Mall
Software Update
Info Center
Vehicle Coverage
Other Modules


Mall
Mall
Mall

SPECIFICATION

X-431 IMMO PAD

OS	Android 7.1(Open System)
DISPLAY	10.1”, 1920*1200
CPU	2.0GHz, Octa-core
RAM	4GB
STORAGE	128GB
BATTERY	9360mAh @3.8V/35.57Wh
CAMERA	Rear 13MP, Front 8MP
VCI CONNECTION	2.4GHz/5GHz dual Wi-Fi
DIMENSION	320*211*46(mm)
INTERFACE	TF*1 & Type C*1 & Type A*1

X-PROG3

INTERFACE	DB26, DB15
INPUT POWER	DC 12V
WORKING CURRENT MAX	500mA
POWER CONSUMPTION	5W
STORAGE TEMPERATURE	-20℃~70℃
WORKING TEMPREATURE	0℃~50℃
DIMENSION	228*120(mm)

SmartLink C V2.0

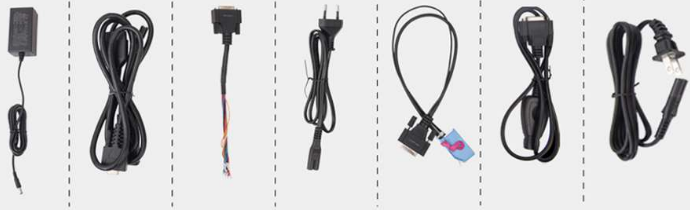
DISPLAY	3.95", 320*480
STORAGE	8GB
MEMORY	256MB
WORKING VOLTAGE	9V DC~36V DC
INTERFACE	DB15,Type B USB,RJ45,DC
COMMUNICATION	Local Diagnosis:Wi-Fi/BT/USB Smartlink Remote Diagnosis:Wi-Fi/Ethernet
DIMENSION	200*110*47(mm)

X-431 IMMO PAD

SMARTLINK 2.0

LAUNCH
LAUNCH

X-PROG 3



OVERSEAS PASSENGER CARS NON-STANDARD CONNECTOR PACKAGE CONFIGURATION

Optional

The below connectors and accessories are independently produced and sold by LAUNCH TECH. Connecting with LAUNCH X-431 diagnostic scan tools is mainly used to complete diagnostic jobs for listed vehicle models. (Not limited to below 12 models already listed.)

KIA-20
105040517

GM/VAZ-12
105040515

FORD-6+1
105040514

HONDA-3
105040516

TOYOTA-22
105040526

TOYOTA-17
105040525

BMW-20
105040509

CHRYSLER-6
105040510

BENZ-38
203010577

BENZ-14
105040508

MITSUBISHI/HYUNDAI-12+16
105040519

NISSAN-14+16
105040520

The final UI is subject to the actual device usage version, and the ultimate package is subject to the physical goods upon shipment, accounting for potential alterations in the future.

LAUNCH INDIA

Create-Change

LAUNCH IMMO PAD

Features

Intelligent Diagnostics

- All systems OE-Level diagnostics for over 110 vehicle models.
- Exceptional full functionality includes comprehensive OBD II diagnostics, bi-directional control, ECU coding & programming, etc.
- Support CAN/CANFD/DoIP communication protocols and J2534/D-PDU/RP1210 communication standards.
- Exclusive Smartlink remote diagnosis.
- 25 advanced service functions.
- Pre-scan and post-scan diagnostic report.
- Expand diagnostic coverage via “Mall”.
- Optional ADAS calibrations function with the X-431 ADAS calibration tools.
- Optional TPMS function with X-431 TSGUN.

www.launchindia.in **sales@launchindia.in** **+91 9393656544 / +91 9885544182**

Address: 5B, Extension, first floor, APIIC, IE, Prashanthi nagar, kukatpally, Hyderabad - 500072

LAUNCH INDIA

Create-Change

Advantages

- Supports VW/AUDI MQB platform engine ECU replacement or cloning (Read engine ECU data directly from the key).
- Supports VW/AUDI MQB platform gearbox ECU replacement or cloning.
- Supports ECU replacement for fifth-generation Audi (0AW/0B5) gearboxes.
- Supports reading, writing & cloning of the ECU for fourth-generation VW UDS engines.
- Supports BMW E chassis 8HP gearbox ECU program wiping.
- Support Mercedes (Engine, Gearbox, EIS) and BMW (Gearbox) ECU anti-theft data erase.
- Supports 170+ Bosch, 10+ Siemens engine ECU and 18+ gearbox ECU BENCH mode clone.

  - Bosch engine ECU: ME17, MED17, EDC17, MEVD17, etc.
  - Siemens engine ECU: BMW (MSV90, MSD87, MSD85, MSD81, MSD80), Mercedes (SIM271DE2.0, SIM271KE2.0), VW/Audi (SIMOS8.6x, SIMOS8.5x, SIMOS8.4x) etc.
  - Gearbox ECU: DQ200-MQB, DQ250XX, DL501 Gen1, VL381, VGS2- FCVT, VGS-FDCT, DQ400E, DL501 Gen2, DL382-7F, VGS2-FDCT, 9G_Tronic, DQ380, DQ381, DQ500, AL551, AL450, AL552, AL951, 8HPXX, etc.

Functions

- Supports key matching/copying, anti-theft IC reading & writing, and ECU reading & writing, etc.
- **Anti-theft modules replacement**
  Support anti-theft modules replacement of BMW, Mercedes-Benz, VW/Audi, Honda, Nissan, Hyundai, Kia, BYD, Changan, Wuling Baojun, GAC, SAIC Maxus, Great Wall Motor, Chery Car, Dongfeng Fengxing, JAC Passenger Car, etc
- **Anti-theft password reading**
  Supports the anti-theft password reading of Peugeot Citroen, GM, Nissan, Hyundai, Kia, Chery Cars, Dongfeng Fengxing, JAC Passenger Cars, etc.

www.launchindia.in **sales@launchindia.in** **+91 9393656544 / +91 9885544182**

Address: 5B, Extension, first floor, APIIC, IE, Prashanthi nagar, kukatpally, Hyderabad - 500072

LAUNCH INDIA

Create-Change

- **Key Matching**

  Support key matching of Ford, TATA, Mahindra, Maruti, GM, Mercedes-Benz, BMW, VW/Audi, Porsche, Peugeot Citroen, Land Rover Jaguar, Honda, Toyota, Nissan, Hyundai, Kia, BYD, Changan Automobile, Wuling Baojun, Great Wall Motors, Chery Cars, JAC Passenger Cars, etc.

25 Service Function

ADD-ON Modules

VSP-600	S2-2 Sensorbox	02-2 Scopebox
Wi-Fi Printer	X-431 TSGUN	BST360 Bluetooth Battery Tester

www.launchindia.in **sales@launchindia.in** **+91 9393656544 / +91 9885544182**

Address: 5B, Extension, first floor, APIIC, IE, Prashanthi nagar, kukatpally, Hyderabad - 500072.

LAUNCH INDIA

Create-Change

Specification

X-431 IMMO PAD Tablet

Processor	2.0GHz, Octa-Core
Operation System	Android 7.1
Memory	4GB
Storage	64GB
Battery	9360mAh
Display	10.1'', 1920*1200
Camera	Front 8MP, Rear 13MP
Protection	IP65
WIFI	2.4GHz/5GHz
Interface	TYPE A *1 & TYPE C*1
Working Temperature	0~50℃
Dimension	320 x 211 x 46mm

Smartlink C VCI

Display	3.97“ single-touch screen, 320*480
Memory	256MB
Storage	8GB
Remote Communication	WIFI / Ethernet
Working Voltage	DC 9V – 36V
USB	Type B USB2.0
Power Consumption	<6W
Work Temperature	0~50℃
Dimension	204 * 110 * 45mm

www.launchindia.in sales@launchindia.in +91 9393656544 / +91 9885544182

Address: 5B, Extension, first floor, APIIC, IE, Prashanthi nagar, kukatpally, hyderabad - 500072.

LAUNCH INDIA

Create-Change

X-PROG3

Interface	DB26, DB15
Input Voltage	DC12V
Input Current	500Ma
Working Temperature	0~50℃
Storage Temperature	-20~70℃
Vehicle Key Slot	To place car key for RF defection
DB26	Used to connect to each anti-theft cables
Infrared slot for Benz key	Used to place the Mercedes-Benz infrared key to perform the key matching function
Key IC hole	Used to place the key chip to perform the key matching function
Status Indicator	Power supply indicator lamp
DIY Slot	Used to connect the anti-theft ECU pin through the cable to read and write data
Locker	To tighten loose EEPROM board
DC 12V	Used to connect to the DC12 power supply
DB15	To connect with vehicle's DLC
EEPROM Slot	To insert EEPROM board

www.launchindia.in **sales@launchindia.in** **+91 9393656544 / +91 9885544182**

Address: 5B, Extension, first floor, APIIC, IE, Prashanthi nagar, kukatpally, Hyderabad - 500072.