❖ **IMAGE**

Win XP, 7, 10

❖ **INTRODUCTION**

- **SMARTKEY PRO 7** is a smart key programmer for motorbikes. It has manufactured by DTDAuto Vietnam. A solution using MOTODATA software is installed on computer and connect directly with SCU via cables for HONDA, YAMAHA, SUZUKI manufacturers:

    + **HONDA**: LEAD 125 (2017-2021), AIR BLADE (2018-2021), VISION (2018-2021), CLICK 125i (2018-2021), VARIO 125/150 (2018-2021), SH 125/150/125D/150D/SM (2016-2021), FORZA, ADV, X-ADV, SH 300i ABS (2016-2017), PCX (2016-2021), SH MODE (2017-2020), SCOOPY (2018-2021), SUPER CUB 2021

    + **YAMAHA**: TMAX, XMAX, NMAX, SMAX, AEROX, GRANDE, LEXI, QBIX, JANUS Limited, JANUS Premium, FREEGO S, NVX 155 ABS, NVX Deluxe, NVX Doxou

+ **SUZUKI**: GSX-R150

- Low cost solution for users, easy to use

❖ **OPTION**

OPTIONS	FUNCTION	PRICE
SMARTKEY PRO 7 STD (Standard version)	- Read KeyID# and ECMID directly from SCU - Delete KEYID# in SCU when it has full keys in memory - Deactivate and activate again FOB# when lost key to avoid lost vehicle - Activate simultaneous use multiple key (FOB) for a vehicle - Automatic synchronize SCU & ECM without FOB (SCU only) - Copy KeyID# from SCU (A) to SCU (B) to activate one key (FOB) to use simultaneously for multiple vehicles - Copy data from SCU (A) to SCU (B) when replace SCU - Backup SCU data when reading is successful - Rescue SCU data to repair software from saved data - Edit data to perform advanced functions	**215 USD**
SMARTKEY PRO	- Include all functions of SMARTKEY PRO 7 STD	**315 USD**

7 TMA (Add software for YAMAHA TMAX)	- Add key programming for YAMAHA Note: STD version is not supported YAMAHA TMAX, If you want to use this function then you upgrade from TMA version with an additional fee is 100 USD

❖ **APPLICATION & FUNCTION**

1. PROGRAM SMART KEY SYSTEM FOR MOTORBIKES

LIST OF VEHICLE		FUNCTION
HONDA	LEAD 125 (2017-2021)	- Find KeyID# and ECMID directly from SCU - Backup KeyID# and ECMID to computer when reading is successful - Create SCU data that only have 01 KEYID when registered SCU has full 04 KEYID - Copy data from SCU (A) to SCU (B) when replace SCU - Rescue SCU data to repair software from saved data or sample data of similar SCU - Edit data to perform advanced functions
	AIR BLADE (2018-2021)	
	SCOOPY (2018-2021)	
	CLICK 125i (2018-2021)	
	VARIO 125/150 (2018-2021)	
	SH 125/150/ 125D/150D/ SM (2016-2021)	- Read KeyID# and ECMID directly from SCU - Delete KEYID# in SCU when it has full 04 KEYIDs in memory - Deactivate and activate again FOB# when lost key to avoid lost vehicle - Activate simultaneous use multiple key (FOB) for a vehicle - Automatic synchronize SCU & ECM without FOB (SCU only) - Copy KeyID# from SCU (A) to SCU (B) to activate one key (FOB) to use simultaneously for multiple vehicles - Copy data from SCU (A) to SCU (B) when replace other SCU - Backup SCU data when reading is successful - Rescue SCU data to repair firmware from backup data - Edit data to perform advanced functions
	SH 300i ABS (2016-2017)	
	FORZA	
	PCX 2016-2021	
	SH MODE (2017-2020)	
	ADV	
	X-ADV	
	VISION (2018-2021)	
	SUPER CUB 2021	
YAMAHA	AEROX	- Read KeyID directly from SCU - Delete KEYID# in SCU when it has full 06 KEYIDs in memory - Copy data from SCU (A) to SCU (B) when replace SCU - Backup SCU data when reading is successful - Rescue SCU data to repair firmware from backup data - Edit data to perform advanced functions
	GRANDE	
	QBIX	
	JANUS Limited	
	JANUS Premium	
	FREEGO S	
	NVX 155 ABS	
	NVX Deluxe	
	NVX Doxou	
	LEXI	

	SMAX	
	NMAX	
	XMAX	
	TMAX	
SUZUKI	GSX-R150	- Read KeyID directly from SCU - Delete KEYID# in SCU when it has full 06 KEYIDs in memory - Copy data from SCU (A) to SCU (B) when replace SCU - Backup SCU data when reading is successful - Rescue SCU data to repair firmware from backup data - Edit data to perform advanced functions

2. LOOKUP REPAIR DATA FOR MOTORBIKES

- Lookup electrical wiring diagrams of systems
- Support automatic calculation feature for motorcycle electronics repairmen
- Lookup IC solder pin diagram for odometer correction by MOTOBOX
- Lookup smart key diagram to read Key ID for HONDA, YAMAHA motorcycles
- Lookup power pin diagram and signal pin of ECMs for PIAGGIO programming key
- Lookup ACU, SCU, ECM connector pin outs
- Lookup immobilizer diagram for PIAGGIO/ VESPA motorcycles
- Lookup repair procedure for HONDA smart key system
- Lookup oil indicator reset procedure
- Lookup the compression ratio of the engine combustion chamber
- Lookup cylinder pressure of engine
- Lookup current leakage and charging current
- Lookup ignition timing advance
- Look up wiring color code
- Lookup acronym of electrical system
- Lookup fault codes and troubleshooting for engine system, ABS system and immobilizer system
- Lookup fault location on motorcycle and electrical system diagram
- Lookup fault location by fault code on electrical diagram
- Lookup ABS & Smart key system diagram for HONDA, YAMAHA, PIAGGIO (designed by DTDAuto)
- Lookup mechanical and electrical specifications
- Lookup location of components and signal pins: sensor, ECU, actuator vv...
- Lookup measurement procedure and checking, determine preliminary damage
- Guide mechanical removal/installation
- Maintenance process, online question and answer
- Free and automatically updated the newest version
- Manage vehicle information in workshop (License, brand, model, owner ...)
- Manage repair services, repair invoices and log of repaired vehicles
- Manage spare parts in stock, update data when purchase spare parts
- Manage finance, expenditure by date, month, year and report income
- Manage personnel, number of worker in the workshop, the amount of actual working days, day off...
- Remind periodic maintenance, oil changing

❖ **GUIDE INSTALL MOTODATA SOFTWARE**
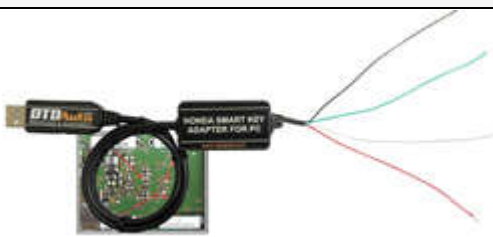
You need to repair:
- Computer use Windows operating system (do not support for other operating systems) and have USB port
- The computer is connected to Internet and installed TeamViewer
- Open Teamviewer and send "Your ID" and "Password" to dtdauto@gmail.com
Notes: You should choose the PC stability and long-term use because MOTODATA is copyrighted software, installing to other computer will take a lot of time

❖ **IMPORTANT NOTES**

- When you connect SMART KEY cable to computer, please wait for 15 seconds to computer identify COM port.
- **When you change cable to read different SCU types you have to restart your computer so that the connection is successful**
- Check that the wire and footprint soldering is correct according to the guide diagram.
- Good soldering contact, good connector, not wrong, short-circuit with other points electrical power of computers must be stable, not to let the computer power off, hang up, stop operating or restart during the read is processing.
- Do not place SCU on conductors or near spark sparking sources
- Turn off all other applications running in parallel on the computer and all antivirus software
- Absolutely do not use the mouse, keyboard or other operations with the computer while computer is reading data
- If the computer hangs during work, it must wait for more time. Please contact dtdauto@gmail.com for assistance.

❖ **PACKAGE**

No.	DESCRIPTION	IMAGE
1	SMK-LV cable to connect SCU with computer	
2	SMK-SP cable to connect SCU with computer	
3	SMK-YS cable to connect SCU with computer	

| 4 | MOTODATA software on computer | |
| 5 | Quick guide | |

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