

Toyota H Immobilizer All Keys Lost solution (Gen1 11910 & Gen2 12xxx)

I. Getting Started

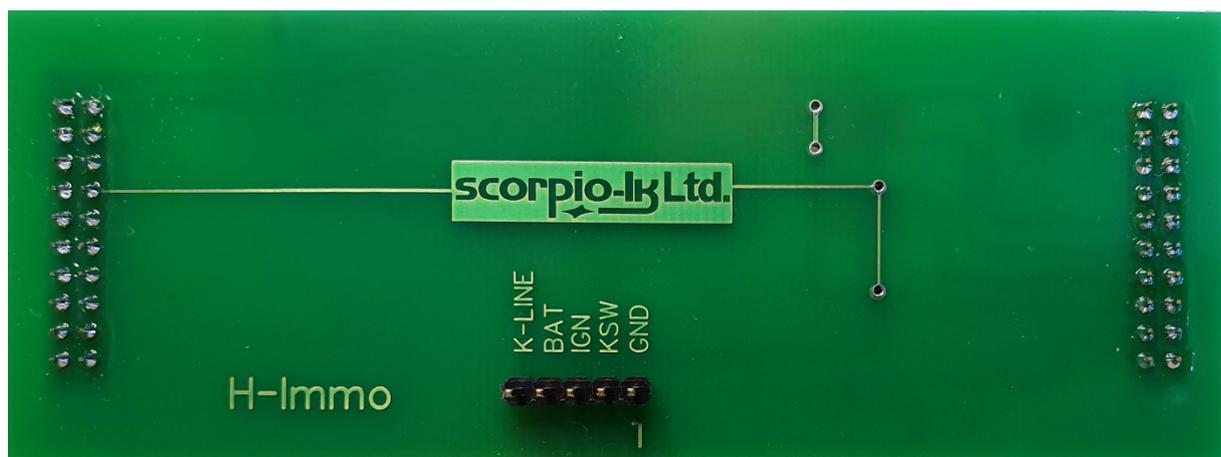
Introduction

This Help relates to Tango software version [1.115](#) (September 2019) and Barracuda software version [13](#) (September 2019). The system allows to solve all keys lost (AKL) situation on Toyota vehicles equipped with all currently known generations (**Gen1 MCU 11910, Gen2 MCU 12xxx**) of 128bit H immobilization system (Page1 **39,59,3A,5A**) regardless of market (EU/Asia/USA), by creating a master key on [LKP-04](#) without need to replace or reset the immobilizer. During the process car data is not altered in any way.

System requirements:

- [Barracuda programmer](#)
- [Barracuda Adapter H Immo](#)
- [Barracuda activation H Immo](#)
- [Tango programmer](#)
- [LKP-04 transponder](#)
- [Toyota maker](#)
- [Toyota Image Generator H](#)

Barracuda Adapter H Immo



II. Operation Procedure

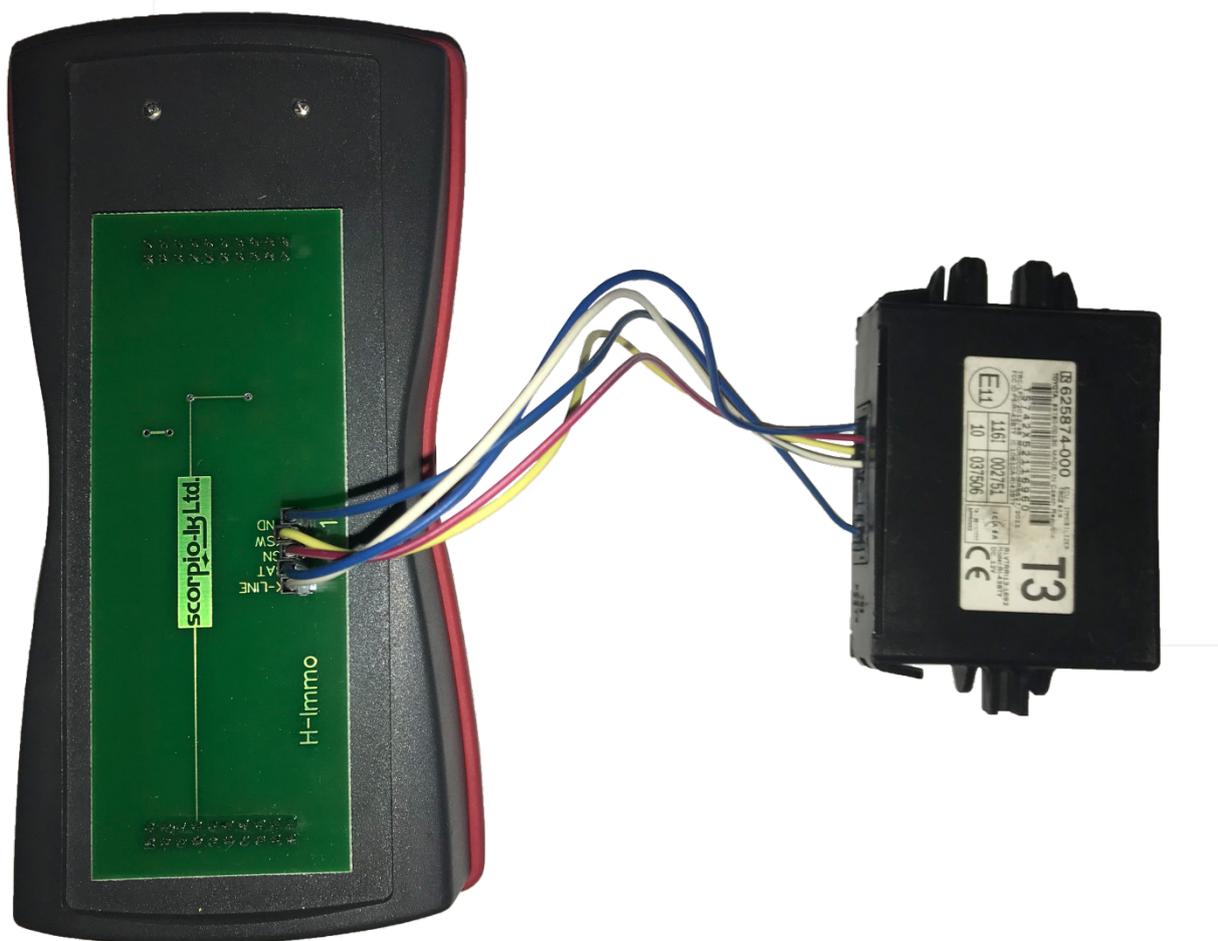
The system can be summarized in two main stages, which are described below:

[Read Immobilizer data with Barracuda](#)

[Master Key Creation \(Write Transponder\) with Tango](#)

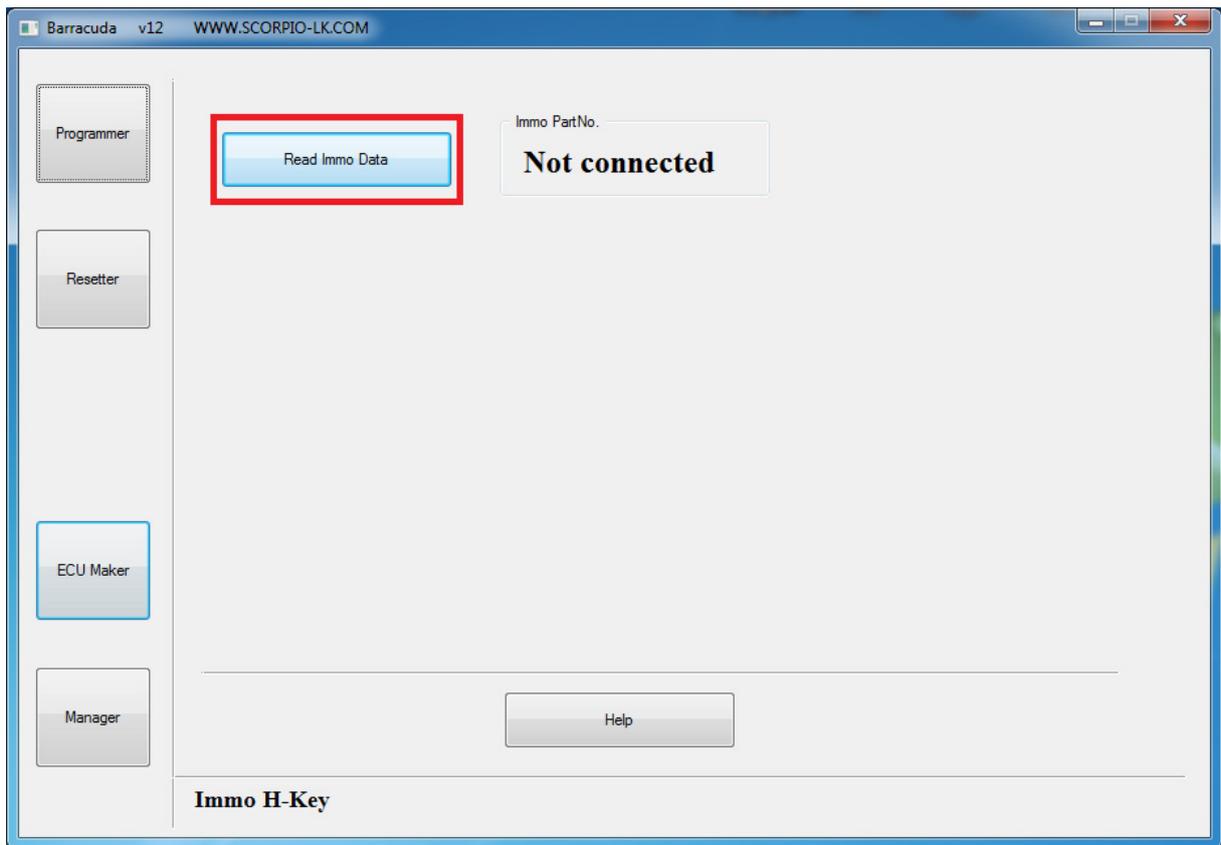
Read Immobilizer data

1. Take off the vehicle Immobilizer and connect it to Adapter H Immo

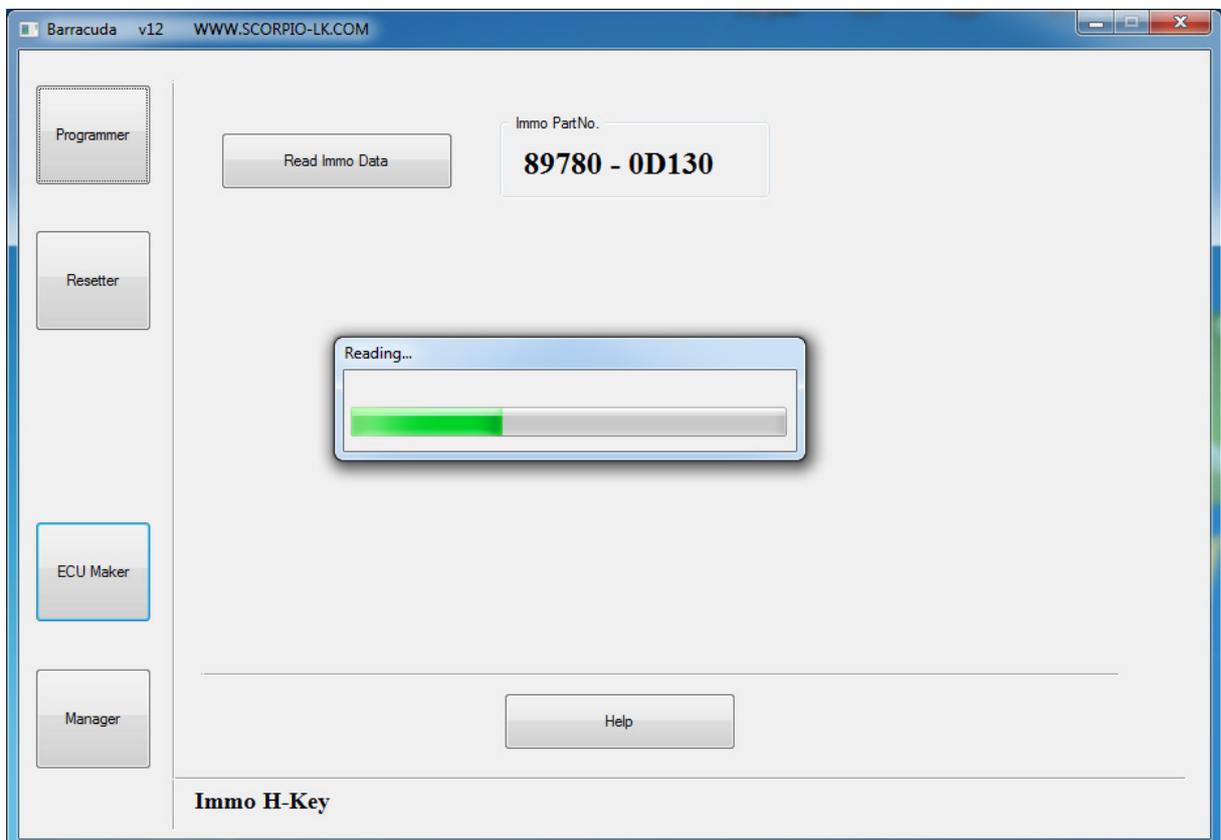


2. Connect Barracuda and start its software

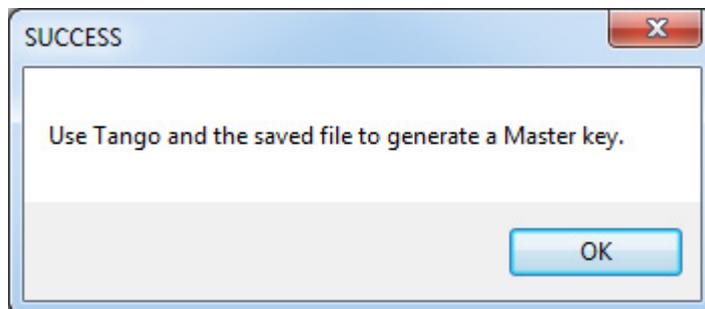
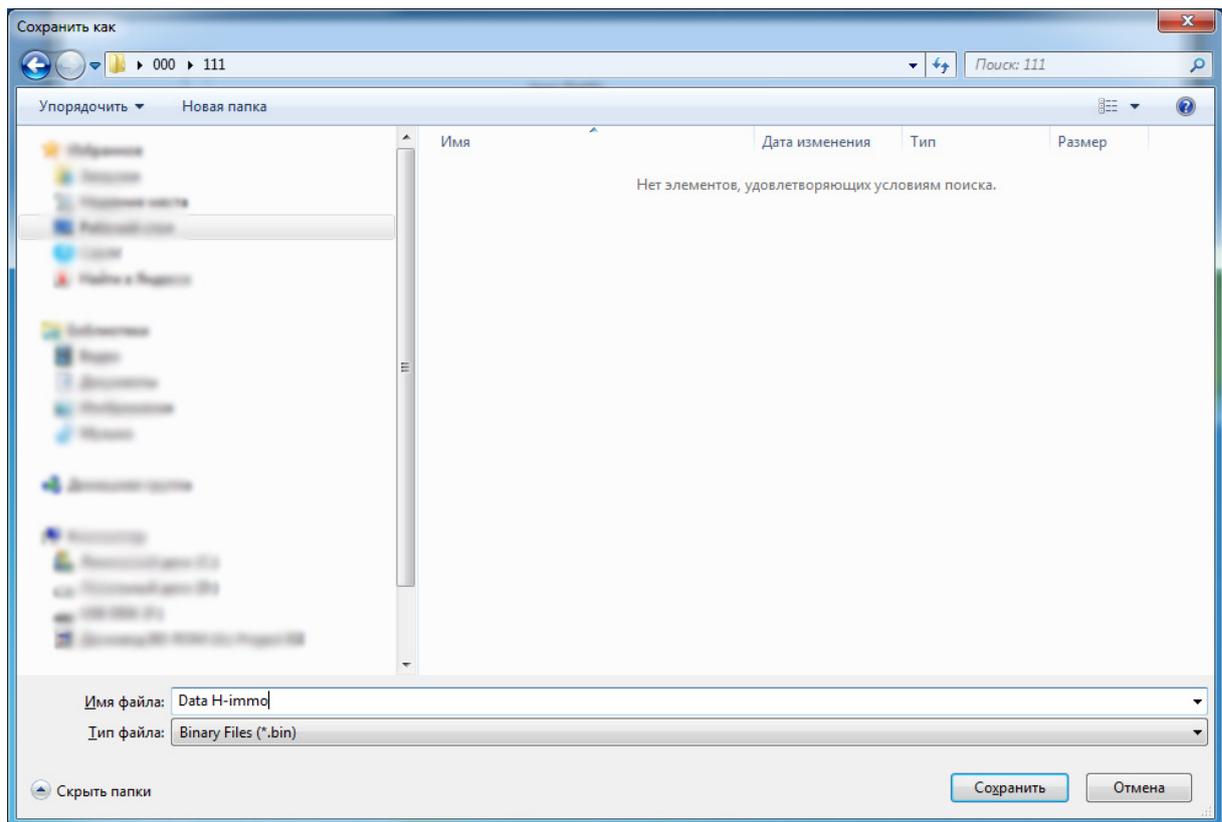
3. Select ECU Maker->H-Immo. Then press Read Immo Data



4. Barracuda will connect to Immo, its part number will be shown, wait until readout is finished.



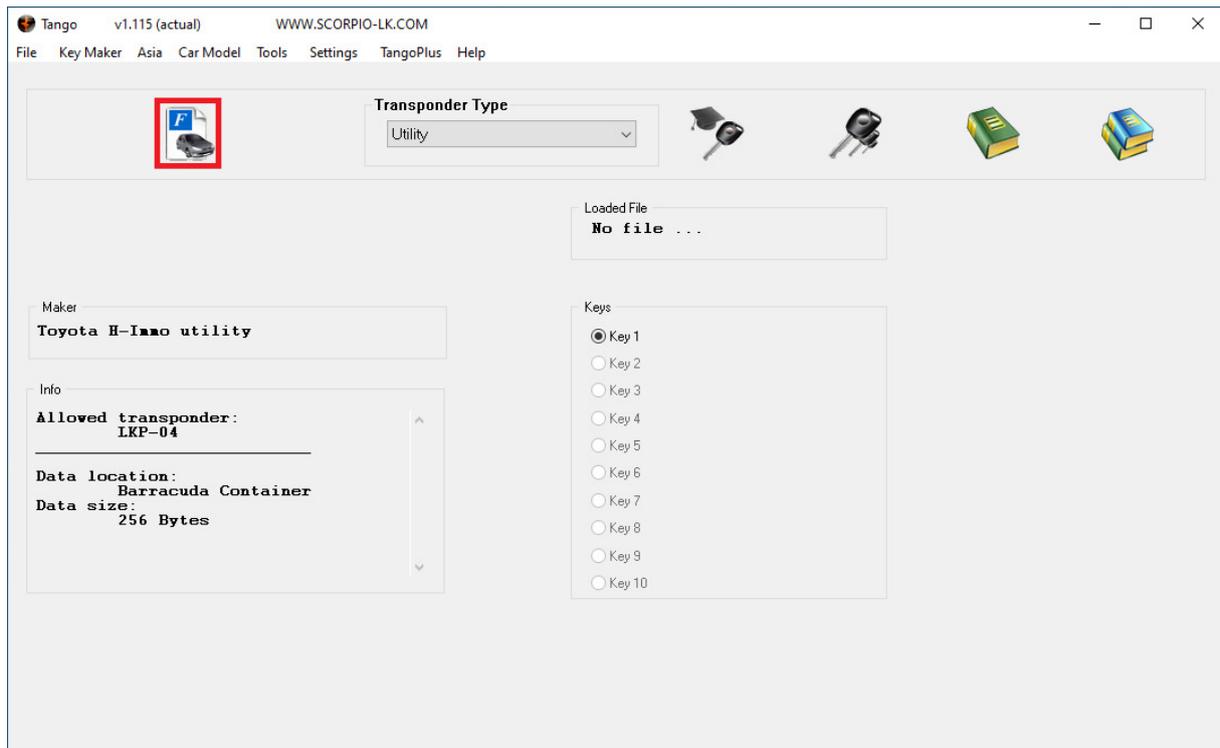
5. Save the dump file (*.bin)



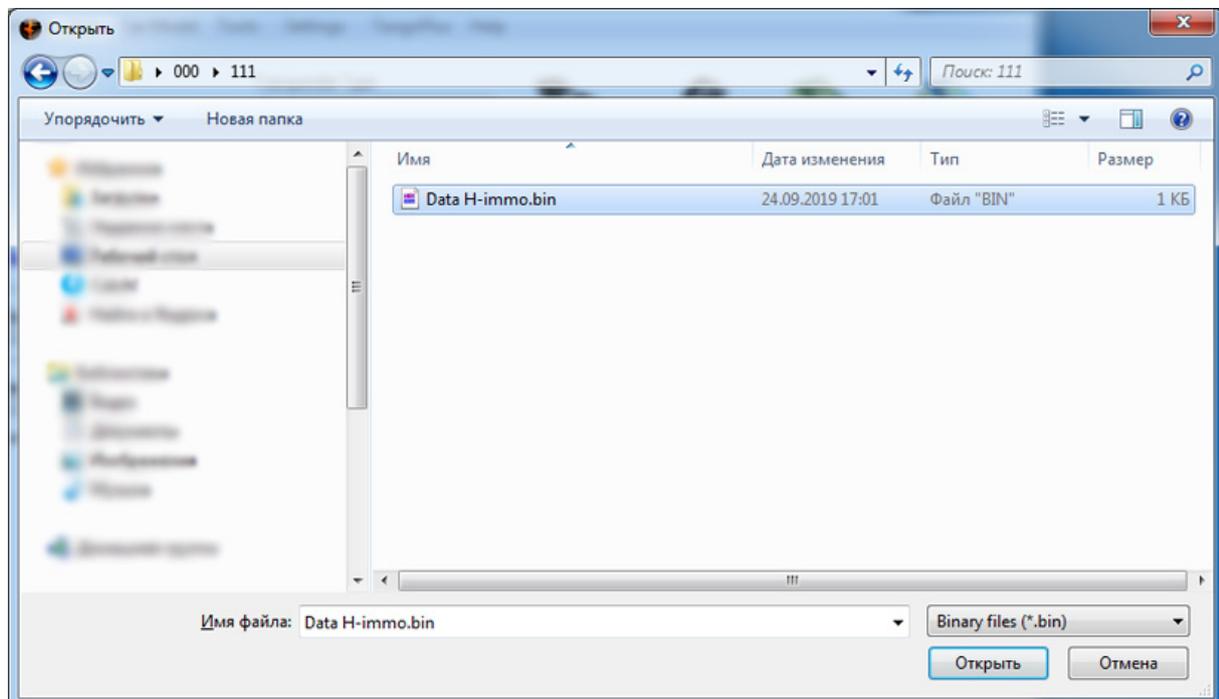
After step 4 there are no more operations concerning the immobilizer so it can be returned to vehicle

Master Key Creation (Write Transponder)

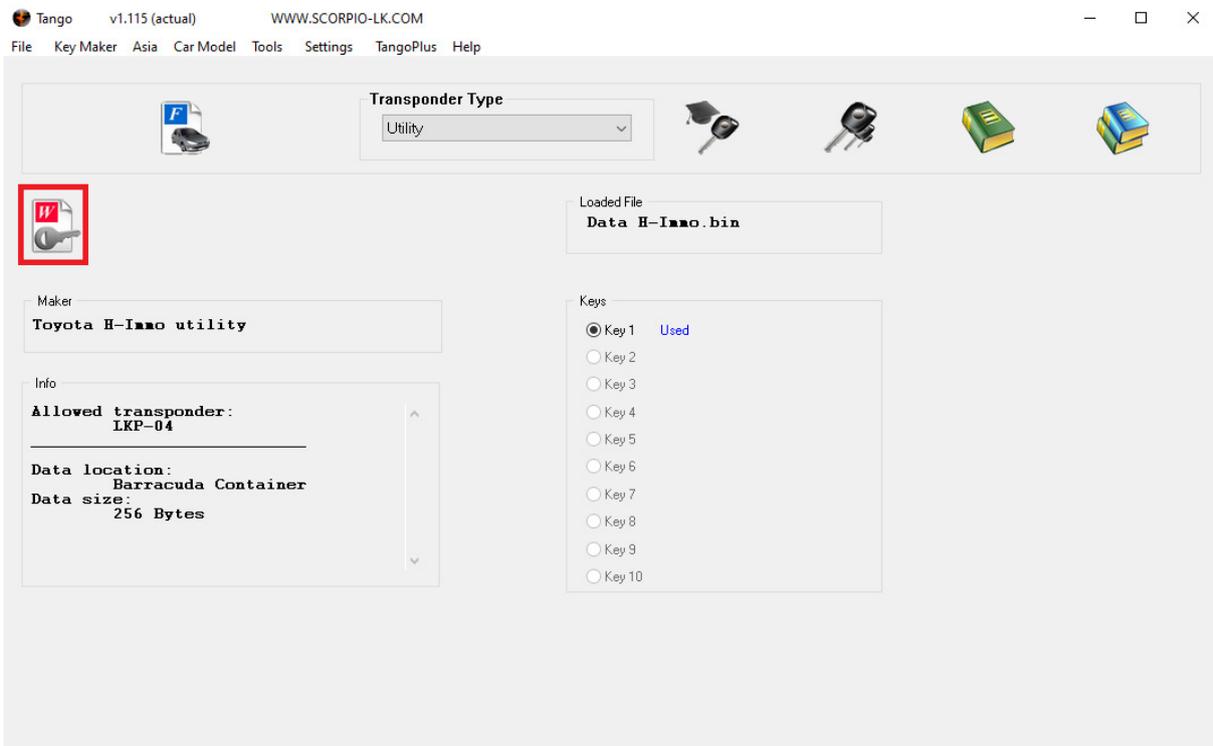
1. Connect Tango and start its software
2. Select region Asia, then Toyota->Utility->H-Immo
3. Place a [LKP-04 transponder](#) in Tango coil
4. Press **Open File** button



4. Select the dump file saved in step 5 of [Read Immobilizer data stage](#)



5. Select LKP-04 in the dialog window and press OK



6. Wait until Tango finishes writing the transponder.

After step 6 the created LKP-04 transponder becomes a master key for the vehicle and can be used as diagnostic authorization (example Techstream) to add TRPWS21 H keys (either Tango generated or original).

