

## Key maker BMW CAS1...CAS3 description

### Key maker REMOTELESS:

Configures a transponder that can start engine. The list of suitable transponders:

PCF 7936  
PCF 7943  
PCF 7944  
PCF 7945  
PCF 7952

*Configured transponder can start engine but cannot operate with the remote door lock.*

### Key maker REMOTE:

Configures a transponder that can start engine and operate with the remote door lock. The list of suitable transponders:

PCF 7943  
PCF 7944  
PCF 7945  
PCF 7952

### Advanced option for unlocking of used transponders:

*Operates under the "Key maker REMOTE".*

If you want to configure an used transponder with unknown password and remote data (usual situation in practice if a locksmith has used keys from various vehicles), the advanced option can break the password protection and retrieve all necessary information from the transponder. The breaking and new reconfiguration run in the full auto mode. The advanced option being operated under the "Key maker REMOTE" shell does not require a special skills of an user.

The list of suitable transponders:

PCF 7943  
PCF 7944

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## FAQ

- Q: What is the difference between the REMOTE and the REMOTELESS key makers?  
A: The REMOTE maker produces a key that has full range of functions: engine start and remote door lock access. The REMOTELESS maker produces a key that can start engine but cannot access to the remote door lock.
- Q: I have the REMOTE maker active. Why I cannot write PCF7936 transponder?  
A: The PCF7936 has no remote functions. To write PCF7936 use the REMOTELESS key maker.
- Q: Can I purchase the Advanced Option having no REMOTE maker?  
A: No. The Advanced Option operates under the REMOTE maker, therefore it is impossible to use the Advanced Option separately on the maker. As example, the Tango interface does not have controls in the menu to run the Advanced Option.
- Q: Can I unlock an used transponder with the Advanced Option for reselling my used keys?  
A: No. Really, not all data can be changed to default values as the new transponder has. Therefore the Advanced Option does not display the transponder data, but modifies it in the CAS and in the transponder.
- Q: I have made a key with the REMOTE maker, but the key has no VIN number.  
A: The VIN number will be stored by a vehicle after several success starts of an engine.

- Q: I have made a key with the REMOTE maker + Advanced Option, but the key has an old VIN number that was stored in the previous vehicle.
- A: The VIN number will be stored by a vehicle after several success starts of an engine.
- Q: I have made a remote key but it does not operate with the door lock.
- A: After the key is configured with Tango, it is necessary to finish the adaptation process. To do this,
- switch ignition on with the key and wait at least 15 seconds then turn ignition off and pull out the key.
  - Repeat this procedure one time more.
  - Pull the key out from the ignition lock, close all doors and push the "CLOSE" button twice.