

Host Computer

Car ID →

Build
Car

Car Firmware

- Car ID

Unlock_Pub : Car ID →

Car EEPROM Data

- Unlock_Pub : Car ID

Car ID →

Unlock_Priv : Car ID →

Feature_Pub, Pair_Pub →

Fob Pairing PIN →

Build
Paired
Fob

Paired Fob Firmware

- Car ID
- Fob Pairing PIN (hashed)

Paired Fob EEPROM Data

- Unlock_Priv : Car ID
- Feature_Pub, Pair_Pub

Pair_Priv →

Feature_Pub, Pair_Pub →

Build
Unpaired
Fob

Unpaired Fob Firmware

Unpaired Fob EEPROM Data

- Pair_Priv
- Feature_Pub, Pair_Pub