MKA Socket

Socket messages for the MKA are formatted as follows:

* Start Sequence: 0x4D, 0x4B, 0x41, 0x53, 0x6F, 0x63, 0x6B (“MKASock”)
* Opcode
* Length
* Data
* Checksum, formatted as IBus

# Socket Opcodes

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| --- | --- | --- | --- |
| **Opcode** | **Direction** | **Length** | **Data Interpretation** |
| 0x18 | C to Python | Varies | Redundant. Indicates that the C code is sending an IBus message, formatted as in 0x68. Sent when an immediate IBus message must be sent immediately, e.g. the CD query response. |
| 0x21 | Python to C | 1 | Set the common phone\_active parameter, indicating that the phone screen is being displayed. |
| 0x22 | Either | 1 | Set the common mka\_active parameter, indicating that the MKA screen (or phone screen) is being displayed. |
| 0x23 | C to Python | 1 | Set the common audio\_selected parameter, indicating that the MKA/phone is selected as the active audio device. |
| 0x2B | Python to C | 1 | Set the type of phone connected, Android or Apple. Defined in the C and Python files as a 1B integer. |
| 0x2C | Python to C | Varies | Set the name of the phone connected. |
| 0x39 | Python to C | 1 | Set the “playing” status. True if the phone is actually playing audio. |
| 0x68 | Either | Varies | IBus message. When sent from C to Python, indicates a received message. Python to C indicates a message to send to the car. The follow bytes are the sender, receiver, and data. |
| 0xF0 | C to Python | 1 | Set the common bmbt\_connected parameter. |