***Command Layout:***

0xDB → [Command Name] → 0x00 → [Parameter1] → 0x00 → [Parameter2] → 0x00 → …

* **Params in ASCII format**

**Commands:**

GETNETS ()

Returns DATA:

[NetName1] → 0x00 → [SignalStrength1] → 0x00 → [EncType1] → 0x00 →  
 [NetName2] → 0x00 → [SignalStrength2] → 0x00 → [EncType2] → 0x00 →  
 …

CONNECT (index, password)

Returns nothing

DISCONNECT ()

Returns nothing

GETNETINFO()

Returns DATA:

[SSID] → 0x00 → [RSSI] → 0x00

***Acknoledgement Layout:***

0xDC → [Ack Type] → 0x00

|  |  |
| --- | --- |
| “OK” | Command received Successfully |
| “UC” | Unknown Command received |
| “TO” | Timeout |
| “OF” | The last operation has finished (on wemos) |
| “DE” | Data Error (retry previous command) |

Table 1: Ack Types

***Data Layout:***

LocalData:

0xDD → „DATA“ → 0x00 → [Length] → 0x00 → [Checksum] → 0x00 → data (length)

NetData:

0xDD → „NETDATA“ → 0x00 → [IP] → 0x00 → [Length] → 0x00 → [Checksum] → 0x00 → data (length)

*Checksum:* sum up all bytes of data and modulo by 10.000