AT Command for KYL-210 and KYL-220

The format of Command Frame

55	AA	Frame Length	Command data	CHK sum（2 byte）

*Frame Head：55 AA

*Frame Length：Command data's bytes number + 1

*Common Data: The content of command

*CHK sum：The sum of Frame Length and Command Data (2 bytes, beginning with the higher byte, then the lower one)

Ⅰ To Change Channel

55 AA 03 07 XX 00 CHK(=0A+XX)

Correct feedback:

55 AA 02 20 00 22

Error feedback

55 AA 02 21 00 23

For Example: change to channel 1

55 AA 03 07 01 00 0B

* XX Refers the channel number

Ⅱ To Read Air Baud Rate

55 AA 03 04 00 00 07

Correct Feedback:

55 AA 03 24 XX CHK(=03+24+XX)

XX refers air baud rate

Ⅲ To change Air Baud Rate

55 AA 03 03 XX CHK (=03+03+XX)

XX refers "baud rate": 1200:1 2400:2 4800:3
9600:3 19200:5 38400:6
76800:7 100000:8

Correct feedback:

55 AA 02 20 00 22

Error feedback:

55 AA 02 21 00 23

Ⅳ To Change Interface Baud Rate

55 AA 03 0F YX CHK(=03+0F+YX)

Y refers "parity bit":	2 "even parity"	0 "no parity"	1 "odd parity"
X refers "baud rate":	600:1	1200:2	2400:3
	4800:4	9600:5	19200:6
	38400:7	57600:8	115200:9

Correct feedback:

55 AA 02 20 00 22

Error feedback:

55 AA 02 21 00 23

For Example: 1200 Even Parity

55 AA 03 0F 22 00 34

Ⅴ To read channel

55 AA 03 08 00 00 0B

Correct feedback:

55 AA 03 28 XX 00 CHK(=03+28+XX)

For example: current channel is 1:

55 AA 03 28 01 00 29 (29=28+01)

* XX refers channel number

Ⅵ To Set Power

55 AA 03 12 XX CHK(=03+12+XX)

XX refers Power Level: 9 Level in all. Level 1 is the lowest; Level 9, the highest

Ⅶ To Read the Power

55 AA 03 13 00 00 16

XX refers Power Level: 9 Level in all. Level 1 is the lowest; Level 9, the highest

Correct Feedback:

55 AA 03 33 XX CHK(=03+33+XX)

XX refers Power Level: 9 Level in all. Level 1 is the lowest; Level 9, the highest

Ⅷ To Set Address

55 AA 04 09 XX YY CHK(=04+09+XX+YY)

XX YY refers the module's ID (It was in BCD code, 2 bytes), ranges from 0000-0225

Ⅸ To Read Address

55 AA 03 0A 00 00 0D

Correct Feedback:

55 AA 04 2A XX YY CHK(=04+2A+XX+YY)

XX YY refers the module's ID (It is in BCD code, 2 bytes), ranges from 0000-0225

Ⅹ To Check the Module

55 AA 03 10 00 00 13

Correct feedback:

55 AA 04 30 10 00 00 44

Note: The transmission protocols of the Modules with ID.

1. The first byte of the transmission data is ID Number (in HEX: 00FF; in BCD Code, 0000-0255)
2. When the module's ID is 0000, it can receive all the data
3. When the module's ID is not 0000, the module will monitor the data in air. It will receive the data from compatible ID, and send the ID as well as data to the port.