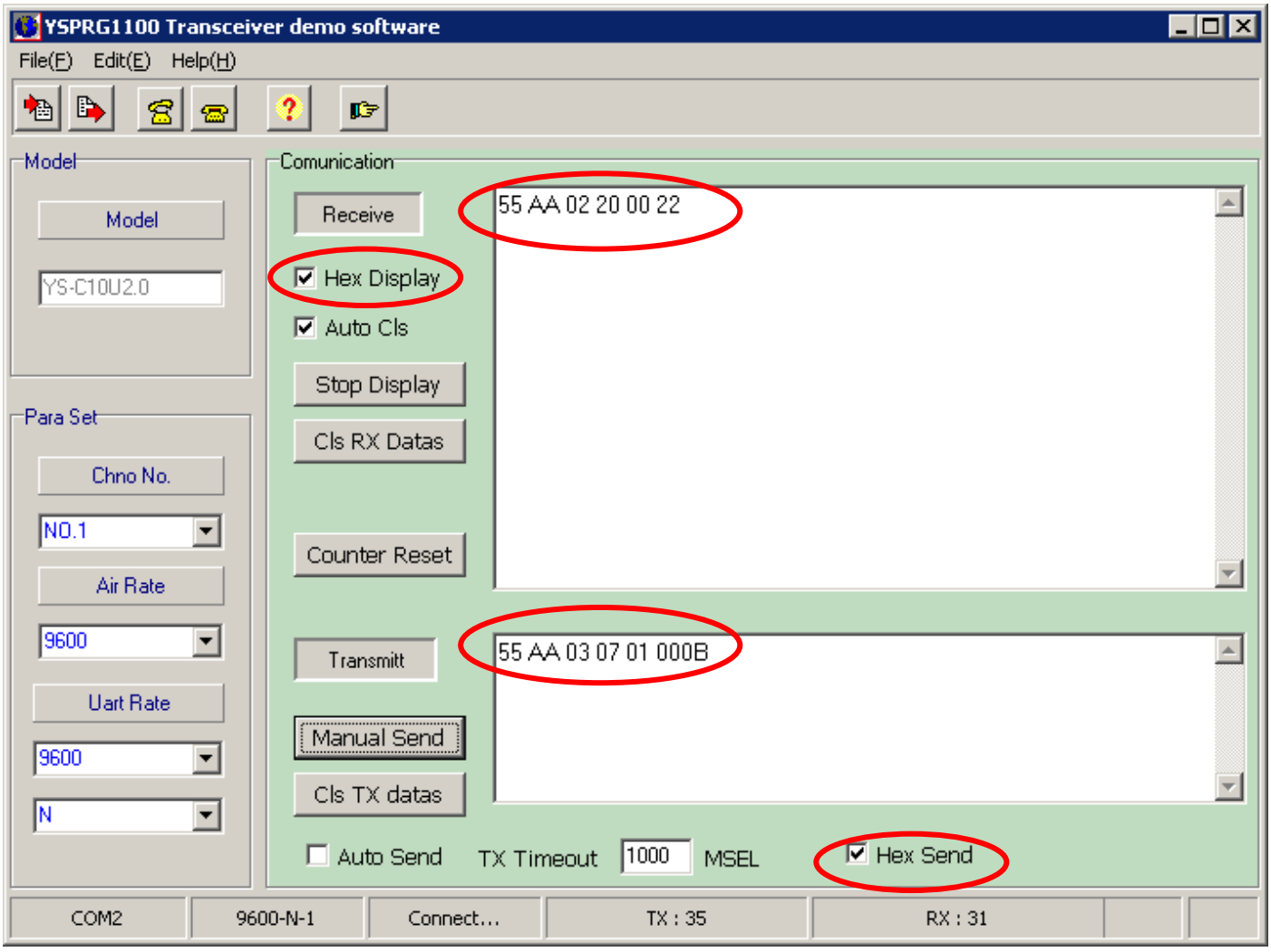
YS-C10 RF module Configuration
Changing parameters by HEX codes

Instead of using the included configuration tool you can use any COM port software for configuring the wireless unit. The main requirement for the terminal software is that it must be able to send HEX codes, and if you want to be able to read what is received then the software should also be able to receive HEX codes. (Hyper Terminal cannot be used since this only sends ASCII characters).

Below is an example of setting the Channel number to Channel 1 using the Configuration Utility. By entering the HEC code 55 AA 03 07 01 000B in the 'Transmit' window and clicking the button 'Manual Send' the command will be sent to the wireless module and you can read the response in the upper 'Receive' window. Make sure that the 'Hex Display' checkbox for both windows are checked.



Parameter overview

1. Changing air rate

55 AA 03 03 XX　CHK (=03+03+XX)

(XX = baud rate)

1200:1
2400:2
4800:3
9600:4
19200:5
38400:6
76800:7
100000:8

Correct return: 55 AA 02 20 00 22

Error return: 55 AA 02 21 00 23

2.Changing Interface rate

55 AA 03 0F YX　CHK (=03+0F+YX)

(X = baud rate)

600:1
1200:2
2400:3
4800:4
9600:5
19200:6
38400:7
57600:8
115200:9

Y = parity bit，2 even, 0 no parity, 1 odd

Correct return: 55 AA 02 20 00 22

Error return: 55 AA 02 21 00 23

Example: 1200bps, even parity: 55 AA 03 0F 22 00 34

Change baud rate Commend when no parity:

Change interface Baud Rate		Change air Baud Rate(For YS-C10U)	
Baud rate	**Command**	**Baud rate**	**Command**
600	55 AA 03 0F 01 00 13	600	55 AA 03 03 01 00 07
1200	55 AA 03 0F 02 00 14	1200	55 AA 03 03 02 00 08
2400	55 AA 03 0F 03 00 15	2400	55 AA 03 03 03 00 09
4800	55 AA 03 0F 04 00 16	4800	55 AA 03 03 04 00 0A
9600	55 AA 03 0F 05 00 17	9600	55 AA 03 03 05 00 0B
19200	55 AA 03 0F 06 00 18	19200	55 AA 03 03 06 00 0C

38400	55 AA 03 0F 07 00 19	38400	55 AA 03 03 07 00 0D
57600	55 AA 03 0F 08 00 1A	76800	55 AA 03 03 08 00 0E
115200	55 AA 03 0F 09 00 1B	100K	55 AA 03 03 09 00 0F

3. Changing communication Channel

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

Correct return:

55 AA 02 20 00 22

Error return:

55 AA 02 21 00 23

Example: switch to channel 1: 55 AA 03 07 01 00 0B (0A+01)

*XX = channel number

Channel 1	55 AA 03 07 01 000B
Channel 2	55 AA 03 07 02 000C
Channel 3	55 AA 03 07 03 000D
Channel 4	55 AA 03 07 04 000E
Channel 5	55 AA 03 07 05 000F
Channel 6	55 AA 03 07 06 0010
Channel 7	55 AA 03 07 07 0011
Channel 8	55 AA 03 07 08 0012

4. Read channel

55 AA 03 08 00 00 0B

Correct return: 55 AA 03 28 XX 00 CHK (=03+28+XX)

For example current channel 1: 55 AA 03 28 01 00 29 (=28+01)