Xbee modem configuration

Model no.

XBP24-B\_ZigBee\_1047.mxi

Operating channel

neednt be same to establish connection

must be same for communication

operating pan id

must be same for communicaton

pan id

[A]ID=234

Must be same for both nodes on network

Sc

Sd

Nj must be same for both

Serial no high , low

Different for different nodes on network

Address of the xbee node

unique

Destination address high , low

Address of the node to which the coordinator has to communicate

Cluster id

Must be same for xbees on same network

Checked in terminal (command mode) using

ATCI\_\_

Enter command mode in terminal using

+++

Get ok

Type commands

AT\_\_ //2 letter name of parameter

Carriage return

Get value of parameter verified

ATND

Gives address of all the devices on the network

Example

Xbee coordinator configuration

80

0

261

1047

0

[A]ID=234

[A]SC=1FFE

[A]SD=3

[A]NJ=FF

[A]DH=13A200

[A]DL=402C60A5

[A]ZA=0

[A]SE=E8

[A]DE=E8

[A]CI=11

[A]NI=COORDINATOR

[A]BH=0

[A]AR=FF

[A]DD=20000

[A]NT=3C

[A]NO=0

[A]PM=1

[A]EE=0

[A]EO=0

[A]BD=3

[A]NB=0

[A]RO=0

[A]D7=1

[A]D6=0

[A]SP=20

[A]D0=1

[A]D1=0

[A]D2=0

[A]D3=0

[A]D4=0

[A]D5=1

[A]P0=1

[A]P1=0

[A]P2=0

[A]LT=0

[A]RP=28

[A]PR=1FFF

[A]IR=0

[A]IC=0

[A]V+=0

[A]CT=64

[A]GT=3E8

[A]CC=2B

Document links for further reading ---

<http://tutorial.cytron.com.my/2012/03/08/xbee-series-2-point-to-point-communication/>

<http://www.digi.com/support/kbase/kbaseresultdetl?id=2186>

<http://www.faludi.com/projects/common-xbee-mistakes/>

<http://tutorial.cytron.com.my/2012/03/08/xbee-series-2-point-to-point-communication/>

<http://ftp1.digi.com/support/documentation/90001067_a.pdf>

<http://tutorial.cytron.com.my/2012/03/08/xbee-series-2-point-to-point-communication/>