USRobotics Courier V.Everything--Trimble R7 configuration example with comments

128 Beth Bartel January 19, 2009 Courier V.Everything 2467

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Example of configuring a USRobotics Courier V.Everything modem for communication with a Trimble R7 receiver, with comments:

OK
ATE1 - sets up echo so you can see what you are typing
OK
AT&F0 - set to factory defaults
OK
at&D0 - DTR override
OK
at&n6 - set baud to 9600
OK
ats11=55
OK
ats19=5 - inactivity timer
OK
at&w - save settings
OK
ati4 - see what we have done

USRobotics Courier V.Everything Settings...

B0 C1 E1 F1 M1 Q2 V1 X1
BAUD=9600 PARITY=N WORDLEN=8
DIAL=PULSE ON HOOK TIMER

&A1 &B0 &C1 &D0 &G0 &H0 &I0 &K1 &L0 &M4 &N6
&P0 &R1 &S0 &T5 &U0 &X0 &Y1 %N6 #CID=0
S00=001 S01=000 S02=043 S03=013 S04=010 S05=008 S06=002 S07=060 S08=002 S09=006
S10=014 S11=055 S12=050 S13=000 S14=001 S15=000 S16=000 S17=000 S18=000 S19=005
S20=000 S21=010 S22=017 S23=019 S24=150 S25=005 S26=001 S27=000 S28=008 S29=020
S30=000 S31=000 S32=009 S33=000 S34=000 S35=000 S36=000 S37=000 S38=000 S39=000
S40=000 S41=000 S42=126 S43=200 S44=015 S45=000 S46=000 S47=000 S48=000 S49=000
S50=000 S51=000 S52=000 S53=000 S54=064 S55=000 S56=000 S57=000 S58=000 S59=000

S60=000 S61=000 S62=000 S63=000 S64=000 S65=000 S66=000 S67=000 S68=000 S69=000 S70=000

DIPS are:

On: 1,3,4,7,8

Off: 2,5,6,9,10

THE DIPS mean:

1 = DTR always on
2 = verbal result codes
3= display result codes
4= no echo offline commands
5= auto answer on ring
6 = normal carrier detect
7= result codes orig mode
8= enable at command set
9= disconnect with +++
10= load NVRAM results

Set the R7 to 9600. Plugged a 32345 REV A (normal download cable) into port 2 on the receiver. The download cable has a null modem adapter and gender changer that is connected to the cable to the modem.

Online URL:
https://kb.unavco.org/article/usrobotics-courier-v-everything-trimble-r7-configuration-example-with-comments-128.html