

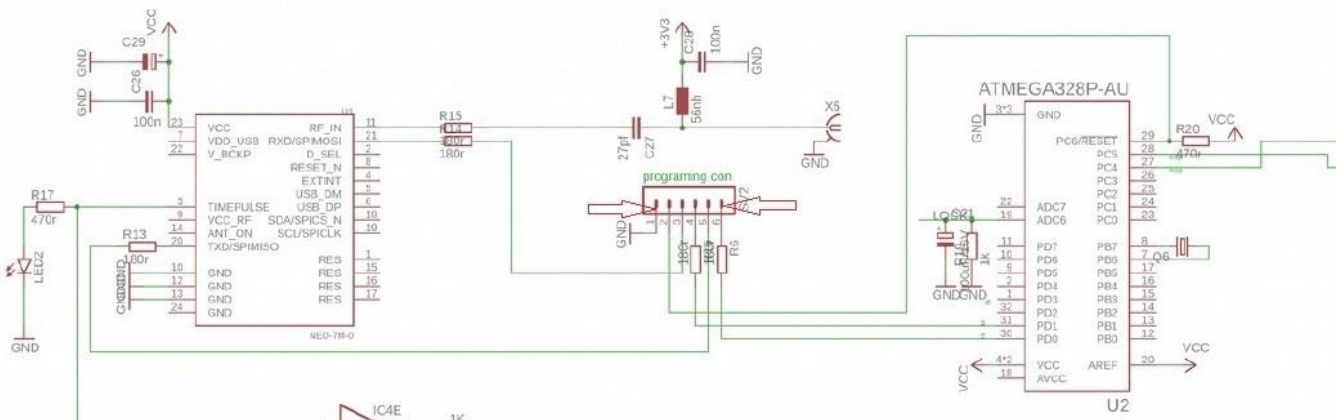
# “GETTING MORE OUT OF THE DXPATROL GPSDO V2.0”

Hi all , with no special skills you can have more then just a 10MHz reference signal....

1. Use this unit to sync your pc clock with BktTimesync from IZ2BKT for less then 5€
  - USB to serial adapter example CP2102
  - 1 x 3,5mm 4 pole connector and 4 pole chassis



2. Driver for this usb to serial will be automatically installed when its plugged in  
Check the comport number and make sure baudrate is set to 9600 and select BktTimesync
3. TXD and GND inside the gpsdo can be found on the SV2 connector  
Pin1 = GND **connect gnd wire via jumper cable**  
Pin3 - Pin4 = jumper (RXD) **not needed**  
Pin5 - Pin6 = jumper (TXD) **solder wire to a new jumper and replace the original bridge**



4 pole chassis with connections inside.



The reason I use a 4 pole connector and chassis is for the second option where you also need 5Volt

The following TTL to RS232 from Artek (AK-RS232) is used to display the GPS POSITION and Grid

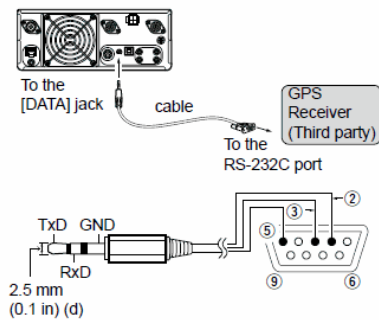


## Connection from RS232 to IC-9700



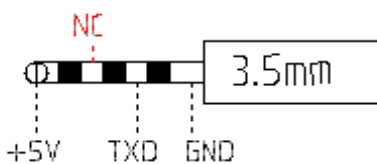
We only need TXD and GND from the GPSDO and +5V for the TTL to RS232 that's why I use a 4 pole

### Connection

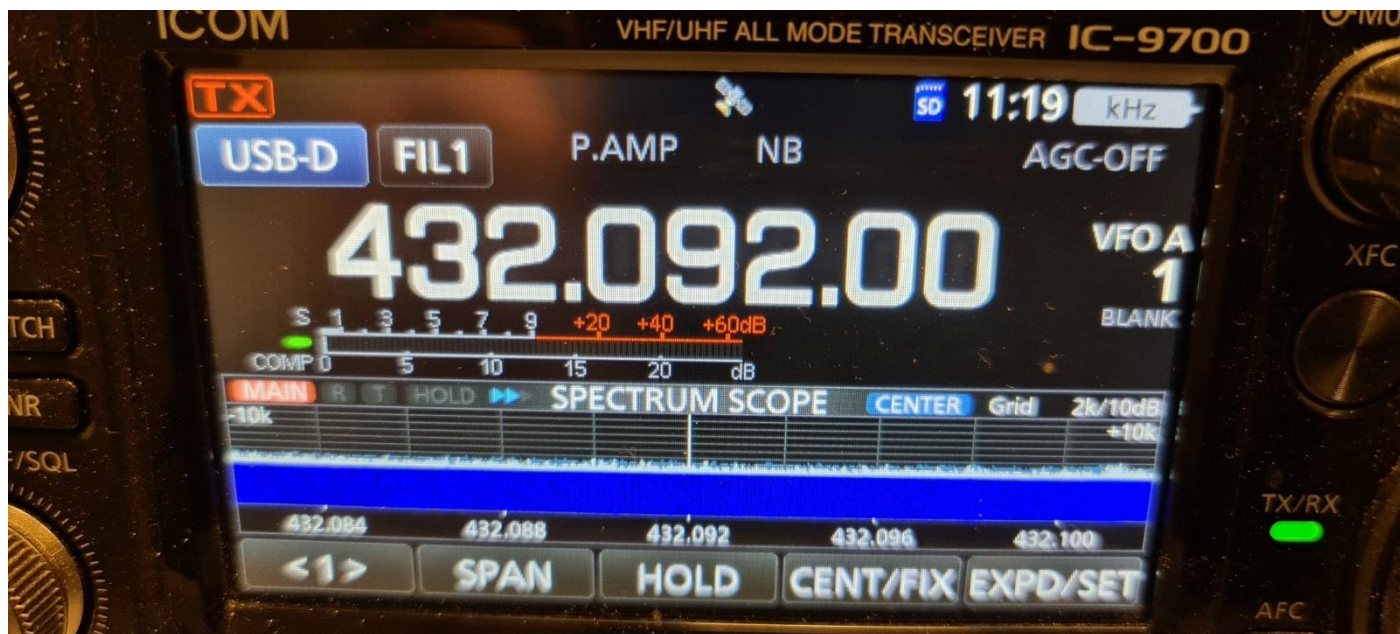


- Connect Pin ② to RxD (Ring).
- Connect Pin ③ to TxD (Tip).
- Connect Pin ⑤ to GND (Sleeve).

### 4 pole connection



More important than knowing where you are 😊 is the SAT sign between P.AMP and NB on the IC-9700, when it shows up your GPSDO is locked and the 10Mhz via a 49152MHz PLL from Dieter DF9NP should stabilize your IC-9700. I also have the blue led on my controller that indicates the 49152Mhz ref.



The only thing that doesn't work on the IC-9700 are the visual GPS's that you are locked on, the reason is because Antonio CT1FFU has for unknown reason removed the "\$GPGSV" output from the standard UBLOX 7N , I can set in on via their software but after a restart the atmega inside is taking over and removes it again.

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