

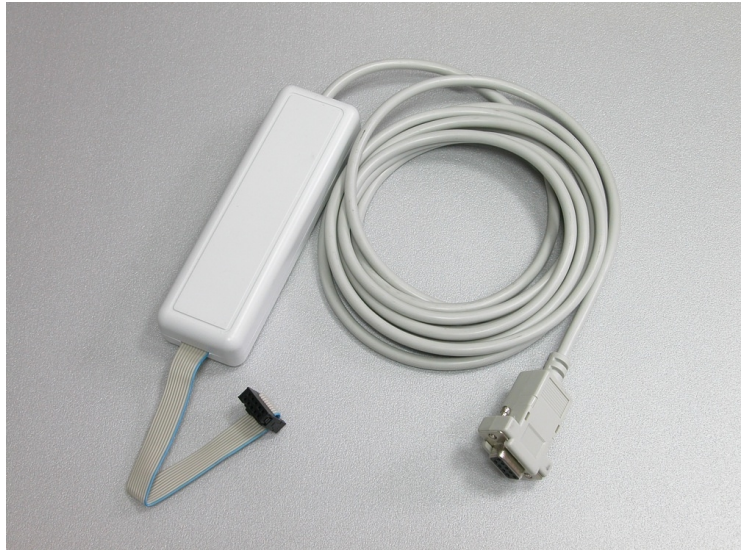
PI-RS232

RS-232 PROGRAMMING INTERFACE

1. DESCRIPTION

Programming interface PI-RS232 is used to connect DC servo drive DCS-3010 with PC during the process of drive DCS-3010 parameters tuning. Programming interface has 2 connectors, DB9 connector for connecting to RS-232 port of PC and IDC-10 connector for connecting to DC servo drive DCS-3010.

NOTE: Ground of RS-232 connector for programming interface PI-RS232 is not galvanically separated from the drive's ground.



2. CONNECTION OF DC SERVO DRIVE WITH PC VIA PROGRAMMING INTERFACE PI-RS232

Connect the DB9 connector of programming interface PI-RS232 to serial (COM) port of PC, as well as IDC-10 connector to **ServoTune Port** (Con.2) of DC servo drive DCS-3010, as it is shown in Figure 2.1. and 2.2.

Bring the power supply voltage of logic part of DC servo drive DCS-3010 (look the instructions of DC servo drive DCS-3010).

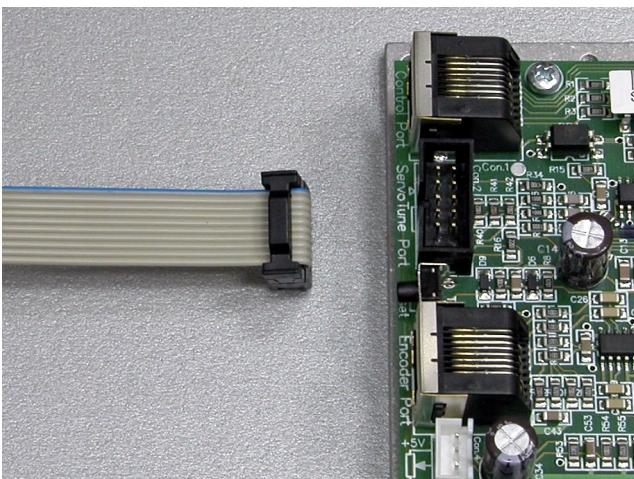


Figure 2.1

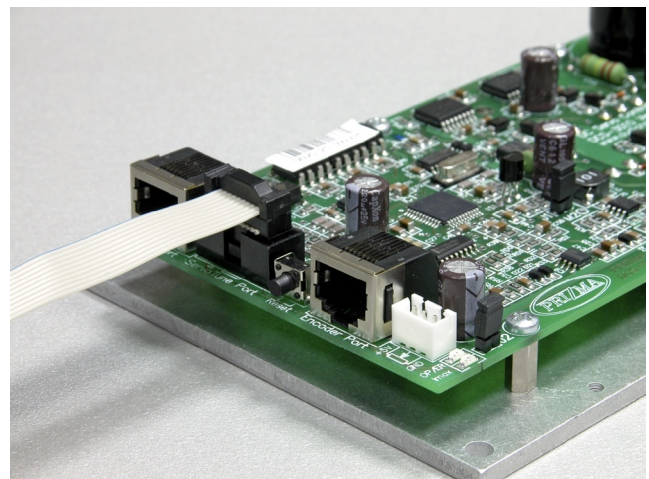


Figure 2.2

Checking the COM port number on PC can be done via **Control Panel – System – Hardware – Device Manager** (Figure 2.3). In this case **Communication Port (COM1)** is on the port COM1, that is shown by rectangle in Figure 2.3.

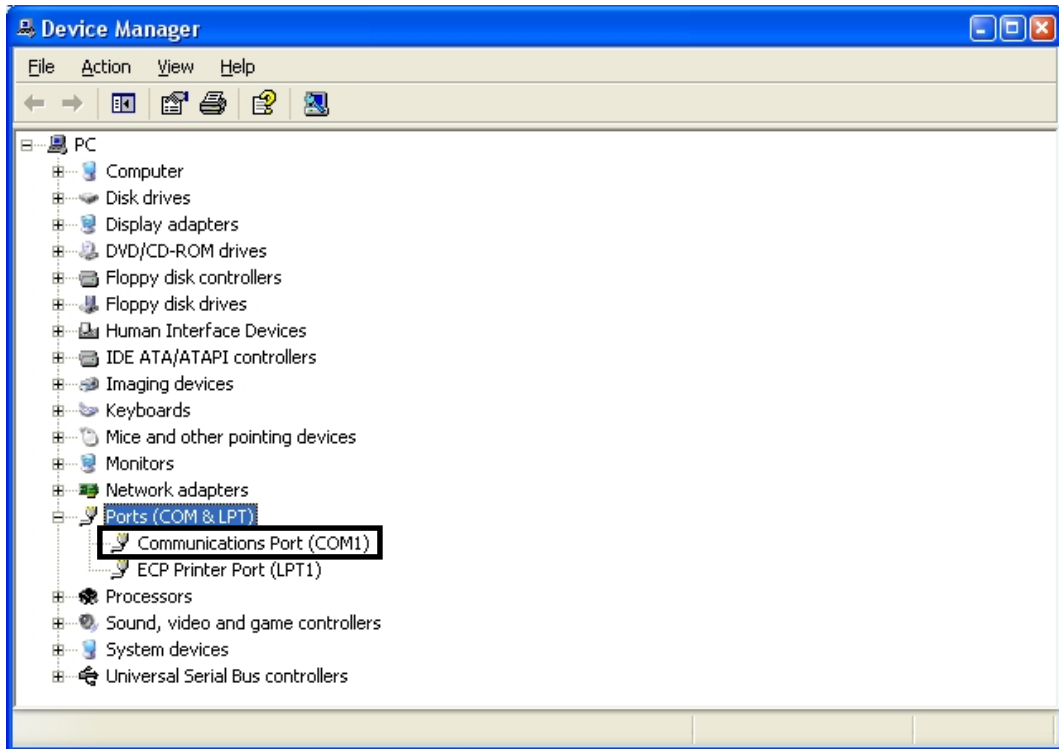


Figure 2.3

Start the configuration software ServoTune3. Choosing of the desired COM port is done by selecting **File** –



Communication setup or by pressing the icon that opens dialog shown in Figure 2.4. In drop-down menu **COMM port** choose the desired port. In this case it is COM1.

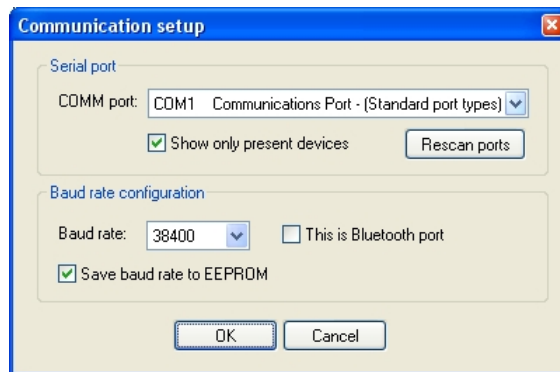


Figure 2.4

If everything is ok, connection between DC servo drive DCS-3010 and PC will be established. Caption on status bar of configuration ServoTune3 will change from **offline** (Figure 2.5), to **Connected: COM1, 38400bps** (Figure 2.6).

After the connection of DC servo drive DCS-3010 and PC operating parameters of DC servo drive DCS-3010 can be set.

NOTE: Detailed instructions of configuration software ServoTune3 is in instructions of DC servo drive DCS-3010, which can be downloaded from website www.audiohms.com on Download page.

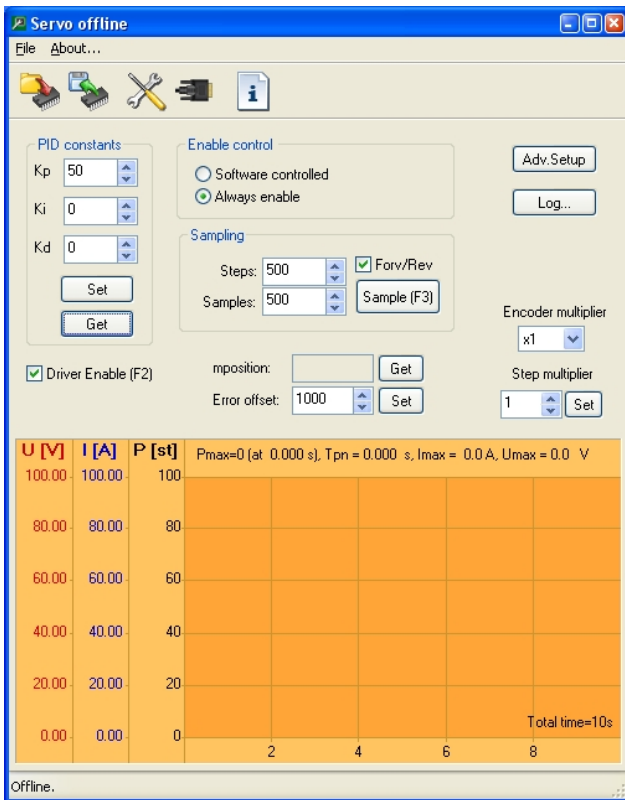


Figure 2.5

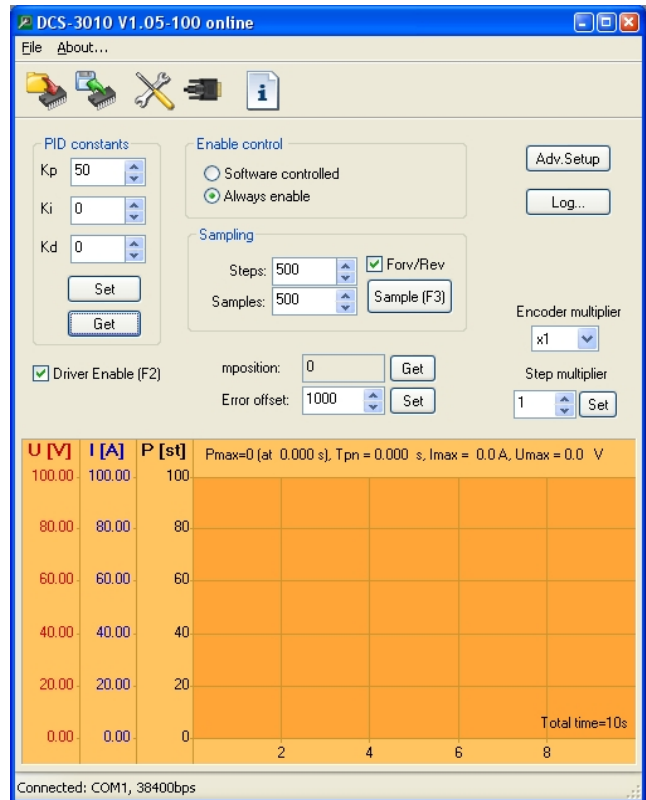


Figure 2.6

Document revision:

- Ver. 1, February 2014., English version