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AMIS-30622

Brief Manual

Getting started

Getting Started

Installing the soft- and hardware

How to install the AMIS-3062x Graphical User Interface on your computer; connecting the boards together and familiarize with the set-up.

1. Installing the software

Be sure all programs are closed and that you have sufficient administrator rights (only applicable for Windows NT, 2000 and higher).

Put the CD ROM in the CD ROM drive. Browse the drive for:
AMIS-3062x\Bench\VB_GUI_2003xxxx\C621BenchBoard.



FIGURE 1.1 CDROM content.

Select SETUP1 and execute it. A self-explaining set-up program will guide you through the complete installation procedure. After finishing you can start the GUI from your Start button as illustrated in **Figure 1.2**:

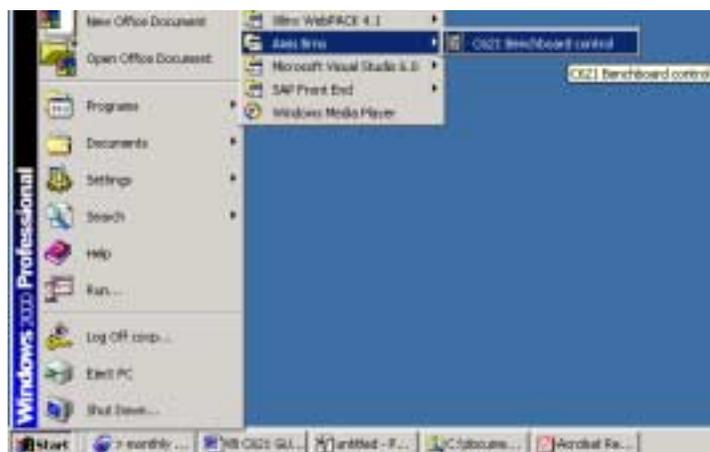


FIGURE 1.2 Start button.

2. Connecting the hardware

DEMO KIT CONTENT

1. Motherboard in I²C configuration
2. Daughterboard AMIS-30622 [=I²C]
3. Universal power supply: input 100 – 240V~ 47-63Hz 0,7A / output 12V= 2A
4. COM-To- I²C adapter
5. 2 phase Stepper-motor
6. Connection to stepper-motor
7. CD ROM containing:
 - a. Bench
 - i. Documentation
 1. Full Manual
 2. Hex converter
 3. Schematics
 - ii. GUI software
 1. Setup.exe program
 2. Setup files
 - iii. Examples
 1. Sequencer run files
 - b. Datasheet
 - c. Presentations
8. Feature sheet
9. Getting started manual

I²C VERSION

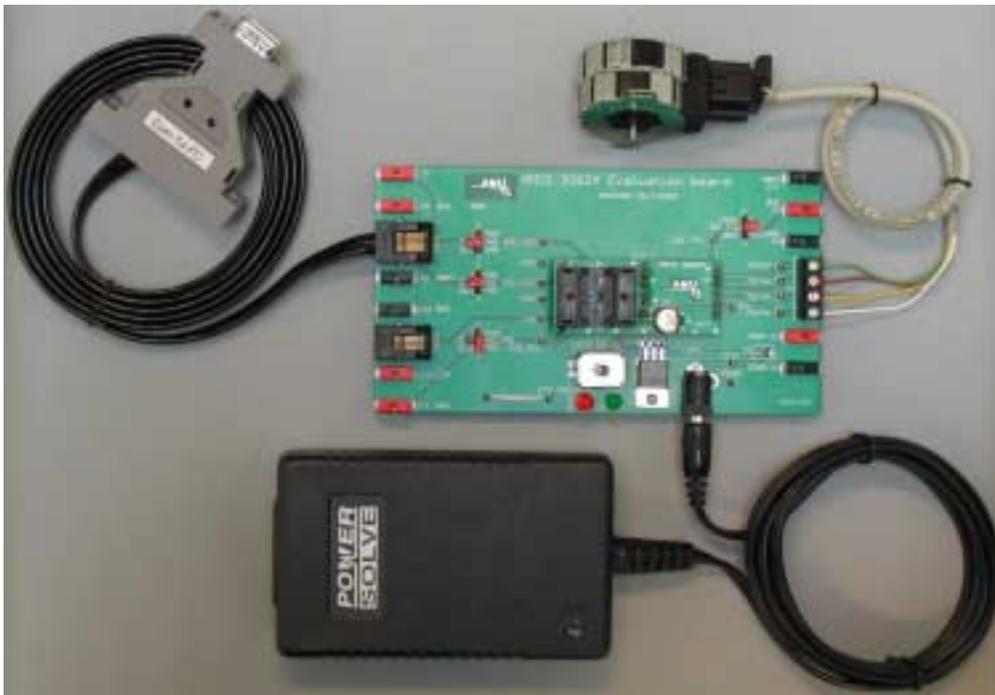


FIGURE 2.1 Overview of the complete I²C set-up

The complete set-up is illustrated in **Figure 2.1**.

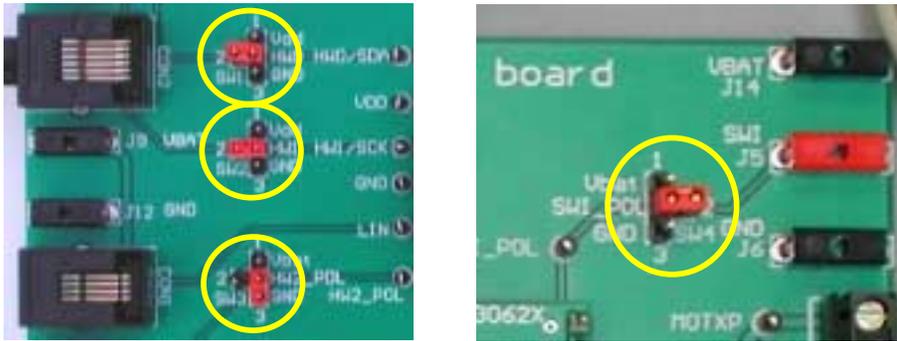


FIGURE 2.2 Detail of the motherboard illustrating the correct positions for HW0, HW1, HW2 and SWI pin

In **Figure 2.2** a detail of the motherboard is shown, indicating the correct jumper positions.

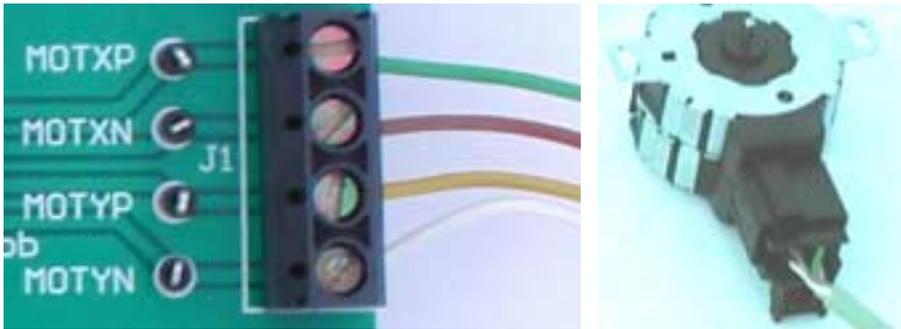


FIGURE 2.3 Detail of the motor connections. Take care in connecting the correct color to the correct position

The stepper motor is connected using a special cable. On the motor side a connector is plugged in, on the board side 4 coloured wires are mounted as illustrated in **Figure 2.3**. It is important to connect the correct colour to the correct position.

As illustrated in **Figure 2.1** first the AMIS-30622 daughter board is mounted on the motherboard using the dedicated connector. The Com-To-I²C adapter is attached using the 6-pole FCC connector. The other side is plugged into the COM-port of the PC. Finally the power-supply is plugged in the round connector. When the power-supply is connected with the mains one of the LED's will light up. GREEN means normal battery supply (12V). RED means OTP program level (9V). Use the power select switch to toggle between these 2 supplies. See also **Figure 2.4** below.



FIGURE 2.4 Toggling the Power-selection switch connects the DUT to the correct programming voltage. A red and green LED indicates the selected voltage.