ICP2-COMBO

Production Quality In-Circuit 12-Channel Gang Programmer

Quick Start

IMPORTANT NOTE: starting from Sep-2016 Softlog Systems manufactures ICP2-COMBO**(G3)** programmer additionally to existing ICP2-COMBO. Due to nearly full compatibility both of them are referred below as ICP2-COMBO. If difference is applied then they are referred as “G3 product” and “non-G3 product”.

1 Contents of the Base Package

- ICP2-COMBO programmer unit
- Power adapter 100-240VAC/12VDC 60W
- USB cable
- RS-232 cable
- LAN cable (straight)
- LAN cable (crossed)
- DIN-64 and DIN-48 mating connectors
- Software CD
- USB installation instruction

2 Host Computer Requirements

- Pentium-4 or greater IBM PC compatible
- Resolution 1024x768 or higher
- 256MBytes of RAM
- Windows-XP/Vista/7/8/10
- At least 100MBytes of hard disk space
- CD-ROM drive
- Free RS-232, USB or LAN port

3 Installation

3.1 Preliminary Installation

3.1.1 Software Installation

To install the software supplied, follow the steps below:

- Insert ICP family CD in the CD-ROM drive. An opening screen appears
- Click "Install ICP for Windows" and follow the on-screen instructions

If the opening screen does not appear:

- Double-click on the "My Computer" icon
- Double-click the icon for your CD-ROM drive

- Double-click “Icp_CD.exe”

3.1.2 Preliminary Hardware Installation

IMPORTANT: don’t connect ICP2-COMBO unit to USB port until the USB driver is installed

- Connect the ICP2-COMBO to power supply
- Install USB driver according to “ICP2 USB Driver Installation” instruction.
  NOTE: USB driver installation is not required for operation with RS-232 port
- Connect RS-232 or USB cable between PC and the programmer
- NOTE: read “ICP Family User's Manual” for LAN operation

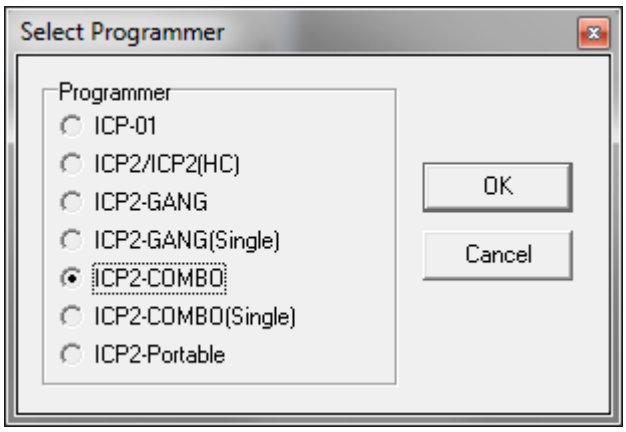
3.2 Initial Software Setup

3.2.1 Run ”ICP_Win.exe”

- Double-click "ICP for Windows" icon
- Disregard error messages “Can’t open port”, “Communication error”, etc.
- Press “**No**” if message “Newer firmware is available. Upgrade now?” appears

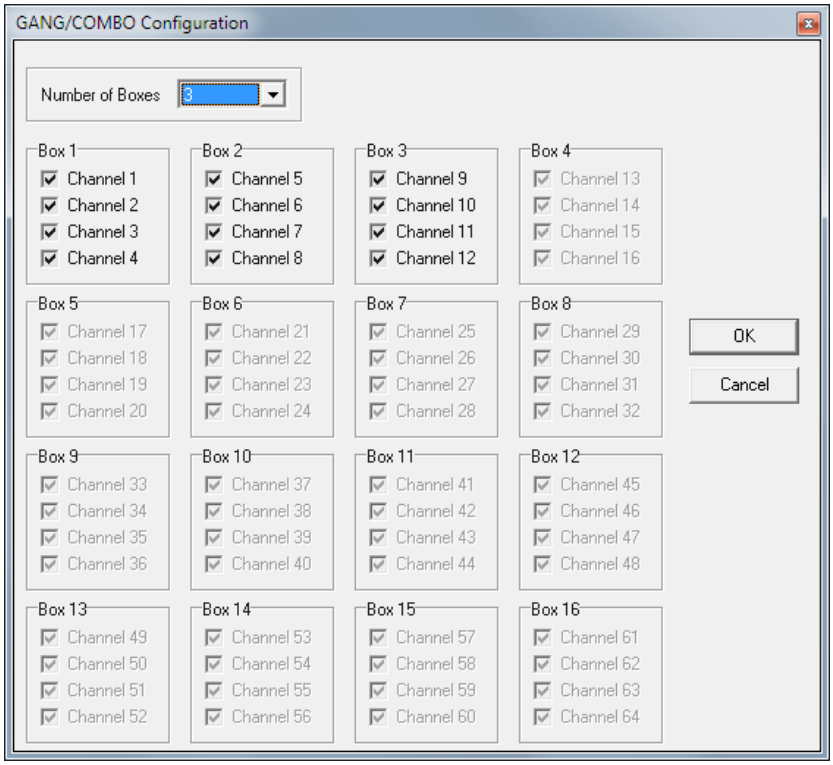
3.2.2 Select Programmer

- Open “Programmer → Select Programmer” and select ICP2-COMBO



- Press OK

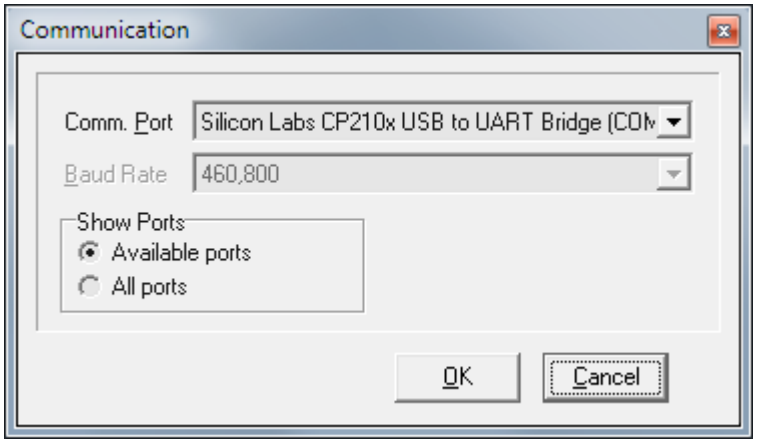
- Select “Number of Boxes” as follows:
  - ICP2-COMBO (12 channels): 3 boxes
  - ICP2-COMBO (8 channels): 2 boxes



- Press OK

3.2.3 Select COM Port and Upgrade Firmware

- Open “Communication → RS-232/USB/LAN COM” and select COM port your programmer attached to.
  NOTE: USB virtual COM appears as “Silicon Labs CP210x USB to UART Bridge”



- Press OK
- Press “Yes” if message “Newer firmware is available. Upgrade now?” appears
- Wait until operation is done
- NOTE: firmware upgrade is not prompted if the latest firmware is detected

3.2.4 Save Configuration

- Select “File → Save Configuration”
- Press Alt-F4 to exit the software
- Your programming system is ready for use

4 Getting Started

This section presents an example to help you become familiar with the ICP2-COMBO programmer and some commonly used functions

4.1 Preparing Environment and Transferring Environment to Programmer

Open “Programmer → Quick Start Wizard” and follow the Wizard

4.1.1 Select Programmer and press “Next >”

4.1.2 Select Boxes/Channels and press “Next >”

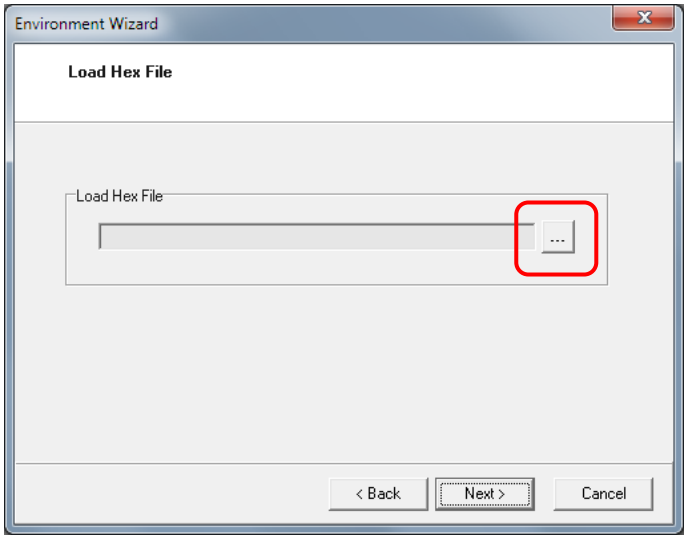
4.1.3 Select Device (PIC)

- From the "Device" list select a device to be programmed and press “Next >”

4.1.4 Set Voltages and press “Next >”

4.1.5 Load (open/import) a HEX file

- Press on “…” button



- Browse to select a HEX file
- Press “Open”
- Press “Next >”

4.1.6 Save Environment

- Press on “…” button
- Type in environment name, 16 characters max
- Press “Save”
- Press “Next >”

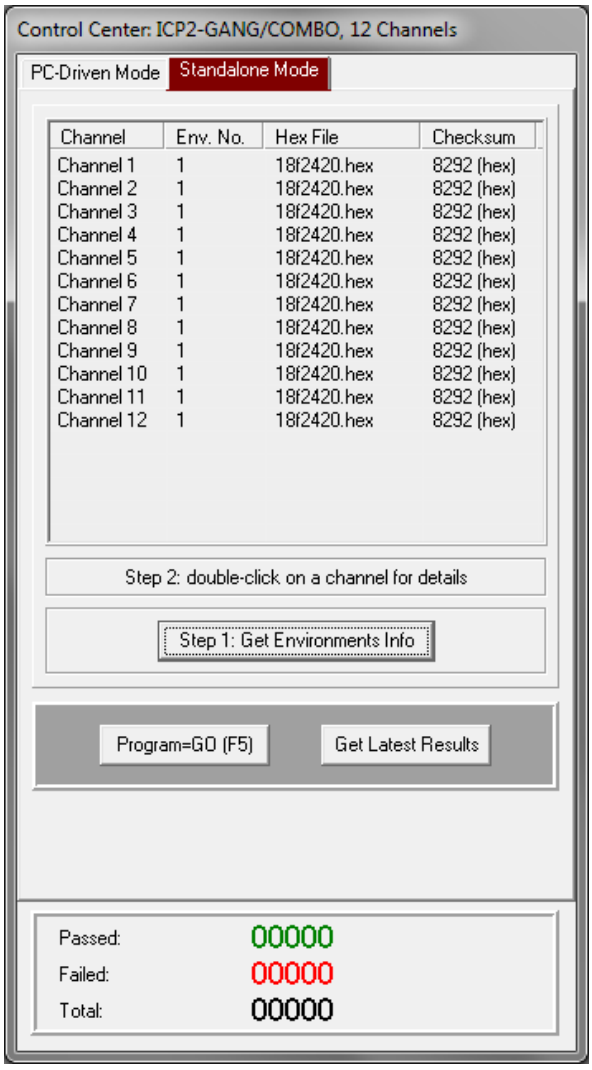
4.1.7 Transfer Environment to Programmer

- Press on “Transfer Environment…” button, select your environment and press “Open”
- Wait until environment is transferred to all channels
- Press “Next >”

4.1.8 Switch to Standalone Mode (if not already switched)

- Press on “Standalone Mode” button
- Press “Finish"
- Your system is ready for programming

4.2 Programming Devices



4.2.1 Save configuration: “File → Save Configuration”

4.2.2 Connect devices to be programmed

4.2.3 Press F5

4.2.4 Repeat steps 4.2.2 - 4.2.3 for more devices