



# Address Mapping



**Website:** <http://www.we-con.com.cn/en>

**Technical Support:** [support@we-con.com.cn](mailto:support@we-con.com.cn)

**Skype:** fcwkkj

**Phone:** 86-591-87868869

**QQ:** 1043098682

**Technical forum:** <http://wecon.freeforums.net/>



# 1. General

Address mapping is the operation to build the relationship between two different addresses. Forwarding address from source address to destination address, so the value in both addresses would be same according to the predefined mapping mode. Both addresses could be from different, in this way, to make HMI processing faster.

# 2. Address mapping setting

COM1 address is different with COM2 address, if user wants to write them at the same time, user can use address mapping function.

## Operating Procedure

- 1) Build a new project.(You could check the document about “How to build a new PI project”);
- 2) Communication settings, just like one HMI communicates with two different device, as Figure 1 shows;

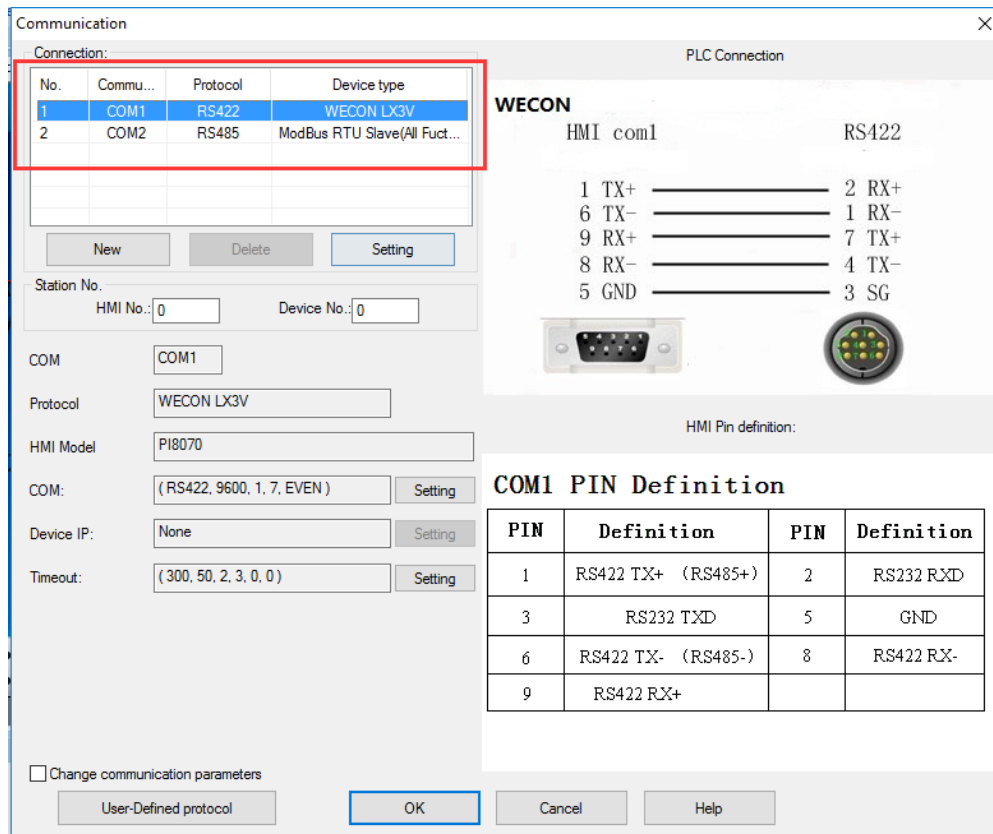
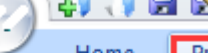


Figure 1

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- The screenshot shows the top-left corner of the application window. The 'Project' menu is open, and the 'Mapping' option is highlighted with a red rectangle. The 'Mapping' option is represented by a small icon of a document with a grid and the text 'Mapping'.

- 4) Setting the mapping items, it supports bit address and word address, users can select the address type as needed;
- 5) Set “Source address”, “Length” and “Target address” for basic address mapping operation, as Figure 3 shows;

Figure 3

### 3. HMI screen setting

#### Operating Procedure

- 1) Adding six numeric input/display, the first group is for PLC address. And the second group is for MODBUS communication, just like Figure 4 shows.

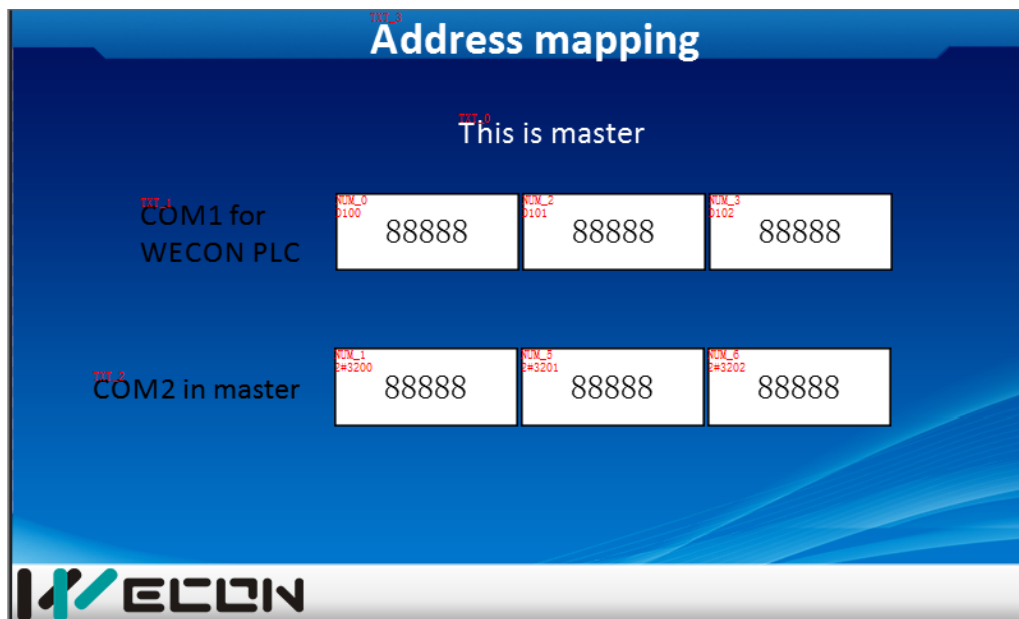


Figure 4

- 2) When PLC address receives the value, the results also are written to COM2 addresses. As Figure 5 shows;

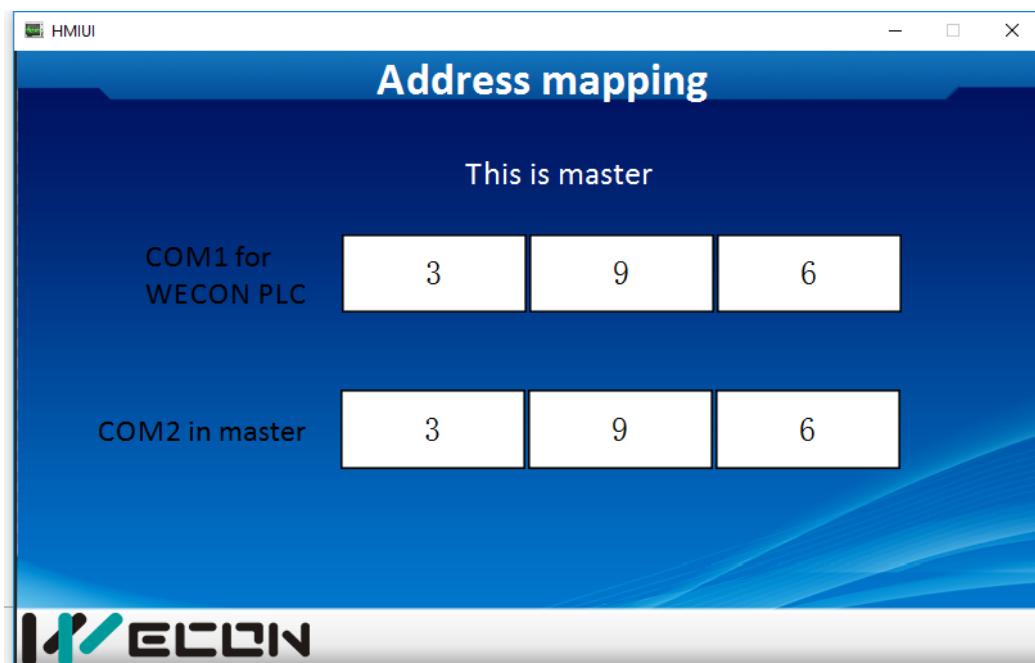


Figure 5