iCon

PC Link Software Manual
System Cor Rev 18.6.1-40
PC Link cc300 Rev 01.00.03

Title Page

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1. PC Software Installation

1.1 Supplied on Disk

The *Control Master* software package is supplied in floppy disk format. Using MS Dos, type 'A:\install' at the prompt command. To install the *Control Master* software from the floppy disk using Windows 98,NT, XP do the following:

1. Insert the disk in the floppy drive
2. Click the *Start* button, Select *Settings* and click on *Control Panel*
3. Double-click the *Add/Remove Programs* icon and follow the instructions displayed the on screen.

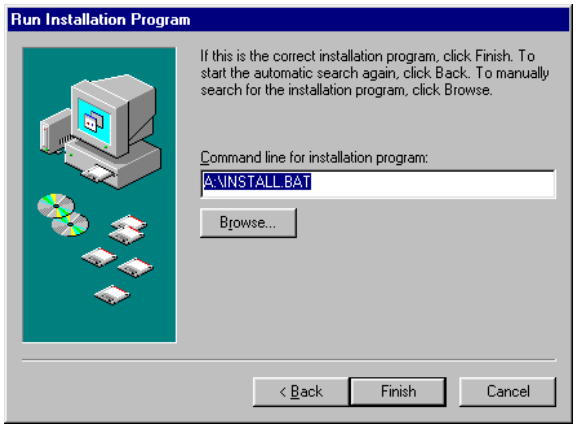

Figure 1-1 - Installation Dialog Box.

Add *Control Master* to the Start menu or Desktop by creating a shortcut as described in your Windows User Manual.

1.2 Supplied via email

1. Unzip attached file
2. Double Click on SETUP
3. Follow the instructions display
4. Copy all files from CM Bitmap Folder into the folder the system created on your PC
   (Default: C\Program Files\Control Master)
   (If requested to Over Write – Select YES)

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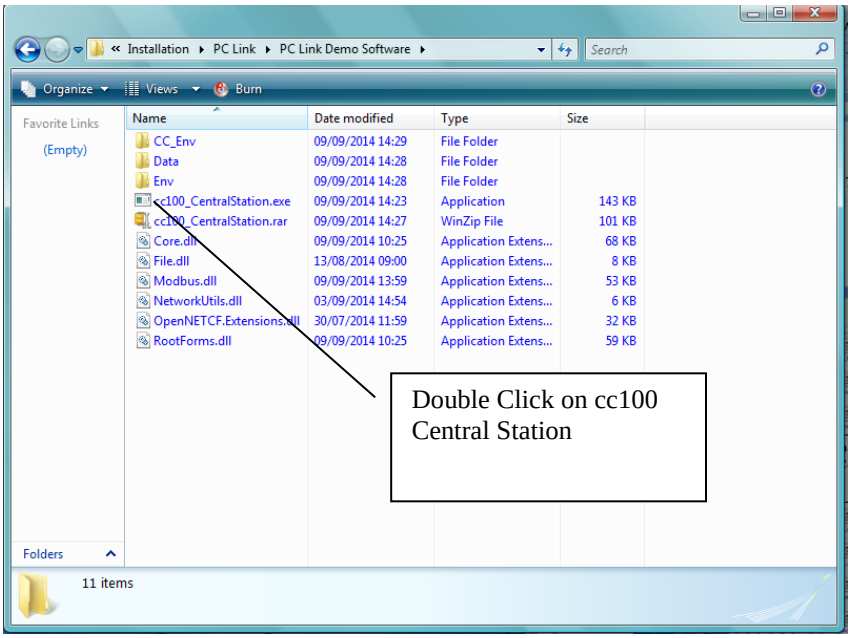
2. Starting Application

Using Windows 98, 2000, XP, or VISTA select
Start |My Computer | Local Disk C: | Program Files | Control Master

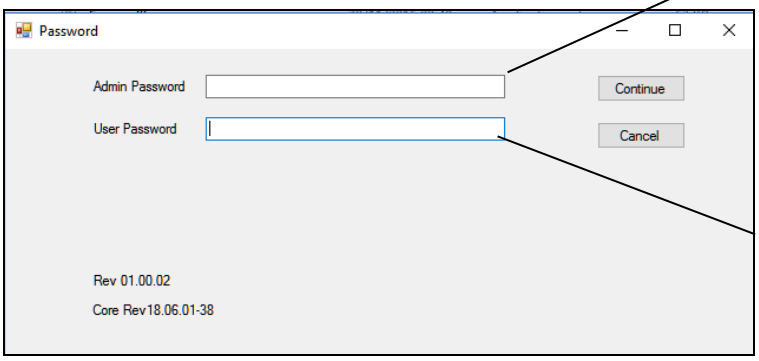
Step 1: Open application

Double Click on Control Master exe



Step 2: Password

The application will now request a password
Enter 3105 & press Continue



Administrator Enter Password
Enter *3105*
Administrator Code Only !!!

User Enter Password
Enter *Password*
User Code Only !!!
Note case sensitive

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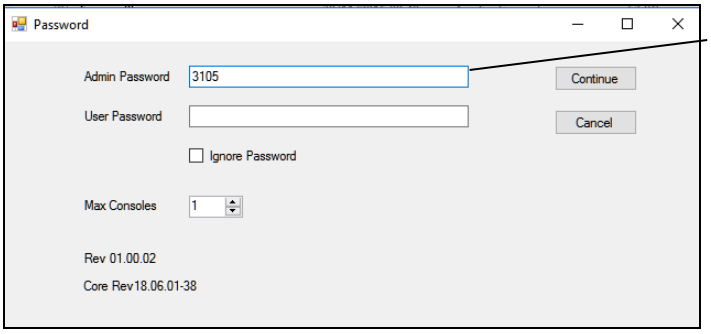


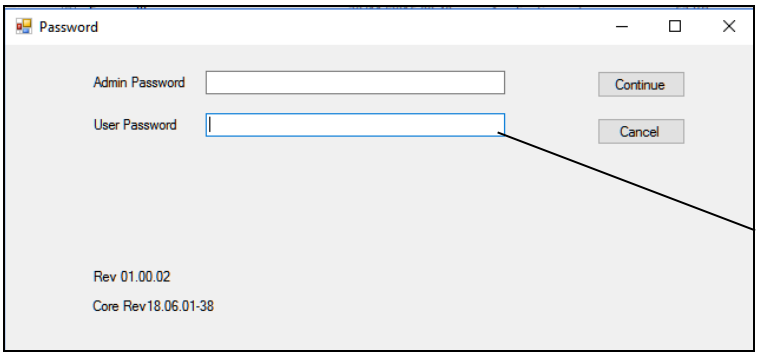
Once the Administrator Password is Entered (3105)
2 New field appears

- Option to Ignore password
- Max Number of Consoles

Note: This Password should only be used by Administrator
Separate Passwords can be entered for the Clients' General Users

Step 3: Password for General Users

The application will now request a password
Enter "Password" & press Continue



User Enter Password
Enter *Password*
User Code Only !!!
Note case sensitive

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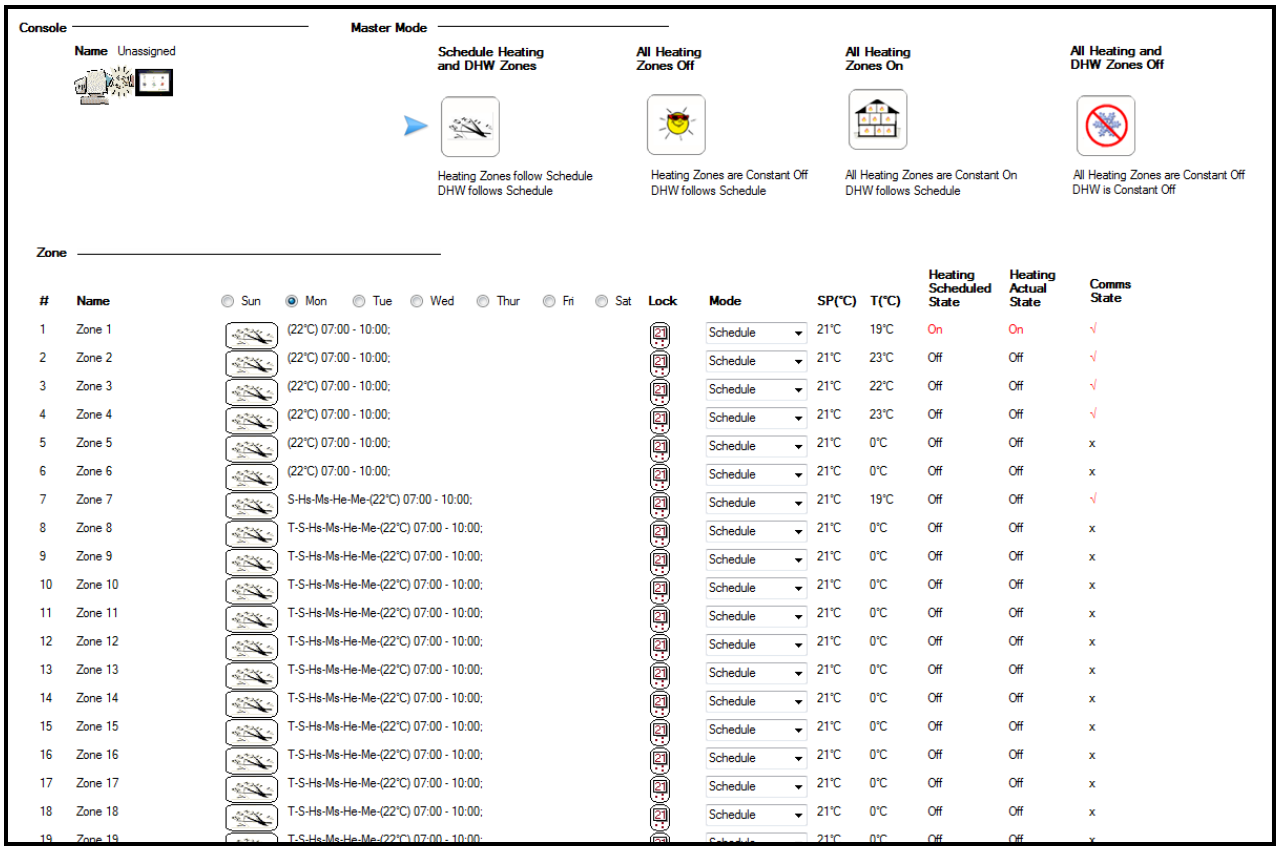
User Interface Displayed

The Main User Interface should now be open.



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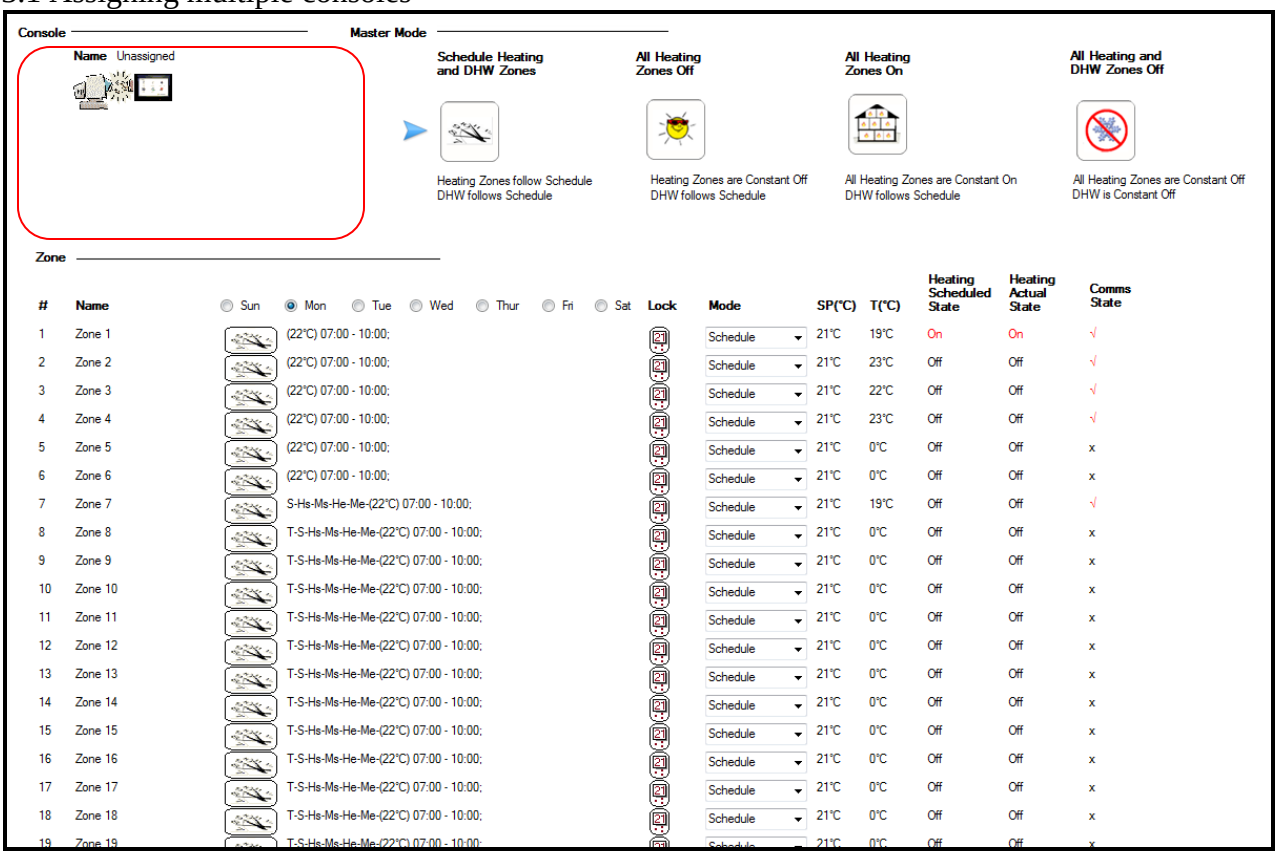
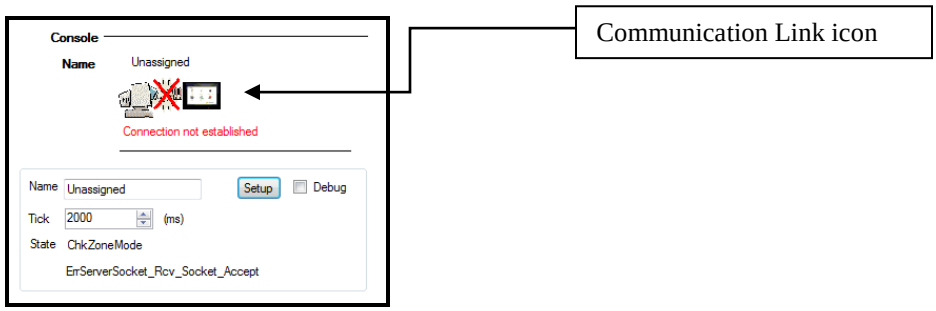
3. Setting up PC link software at PC

3.1 Assigning multiple consoles



- Select Communication Link icon



- Enter Touch Screen Name : E.g Ground Floor
- Press Setup

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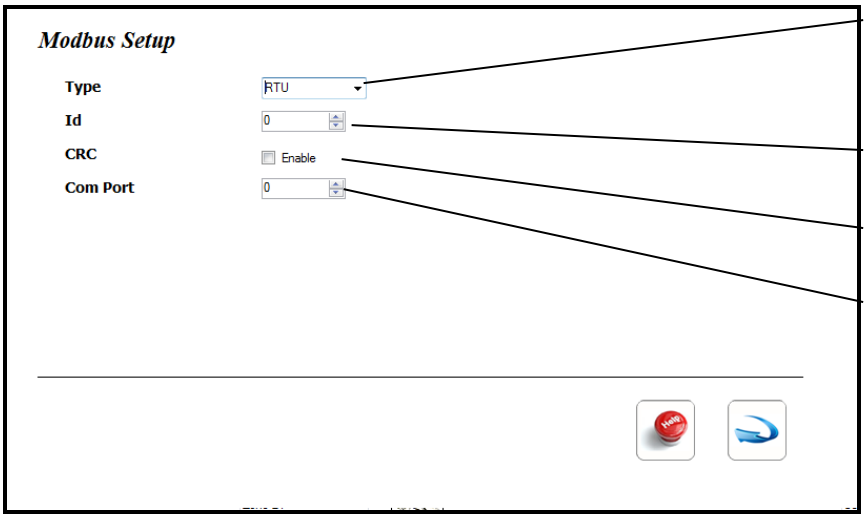
4. Setting up PC link software at Touch Screen

Comment:
The IP address must be assignee in both windows and in cc200 application.
This IP address can either be a "Fixed IP Address" or a dynamically assigned "DCHP" address

RTU



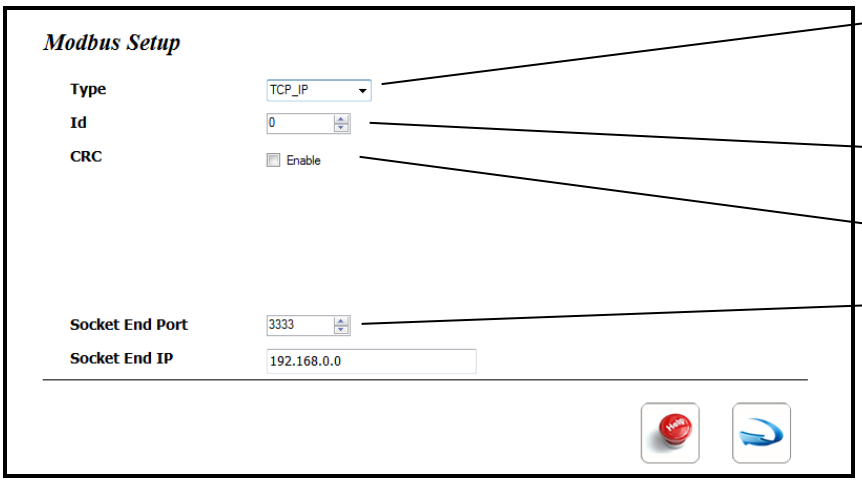
Select Communication Protocol
- RTU

Enter Console Address

Check if CRC checking is required

Assign Com Port
Port number must be the same on the Touch Screen and the Server.

TCPIP



Select Communication Protocol
- TCPIP

Enter Console Address

Check if CRC checking is required

Assign Socket En Port & IP address
Port number must be the same on the Touch Screen and the Server.

Note:

1. Once all the consoles have been set up on your PC, Reboot the PC application (cc100) to ensure application runs from the start. (At start the PC App checks the number of zones in each console)
2. If re-setting up the Modbus , delete Modbus.dat from Flash Disk 1.

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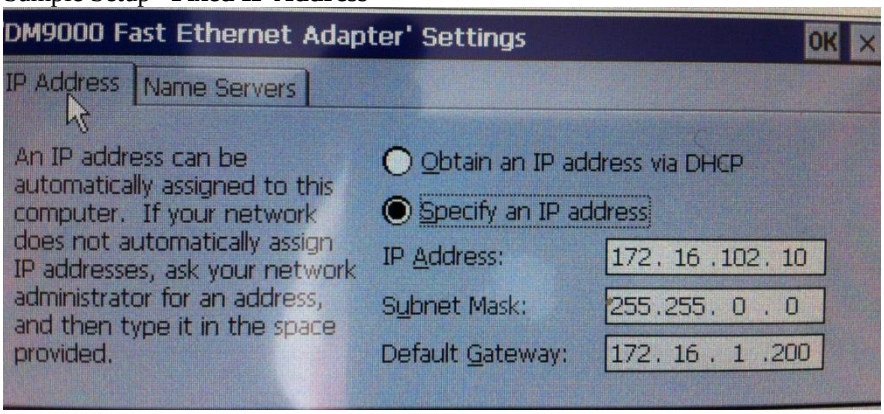
Example: PC Link - Install Steps on cc200 Touch Screen

Set up in Microsoft Windows:

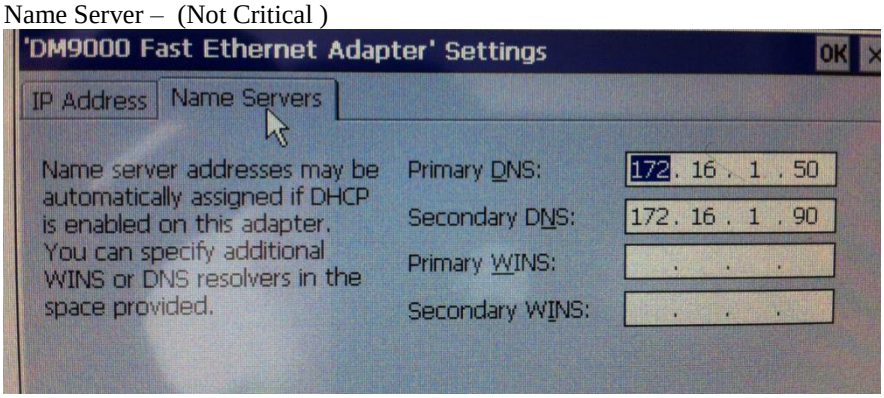
Steps:

Access Via Windows
Start / Setting/ Network & Dial Up Connections
Select DM9000

Sample Setup –**Fixed IP Address**

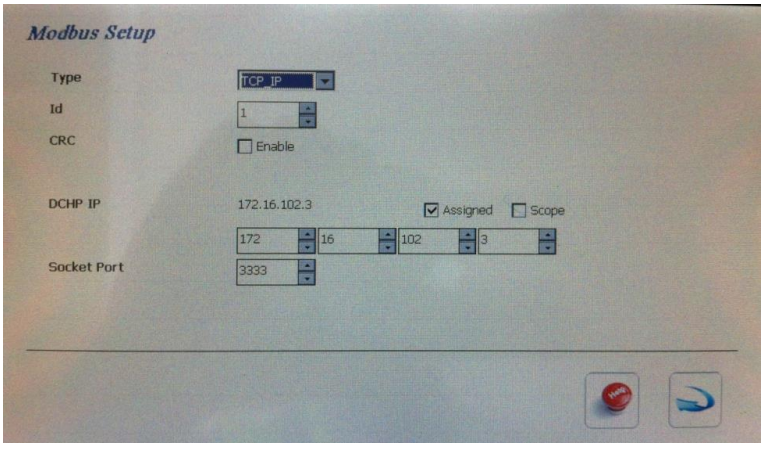


Name Server – (Not Critical)



Set us in cc200 Application – Eng Section (Modbus Slave)

Select : Modbus Slave



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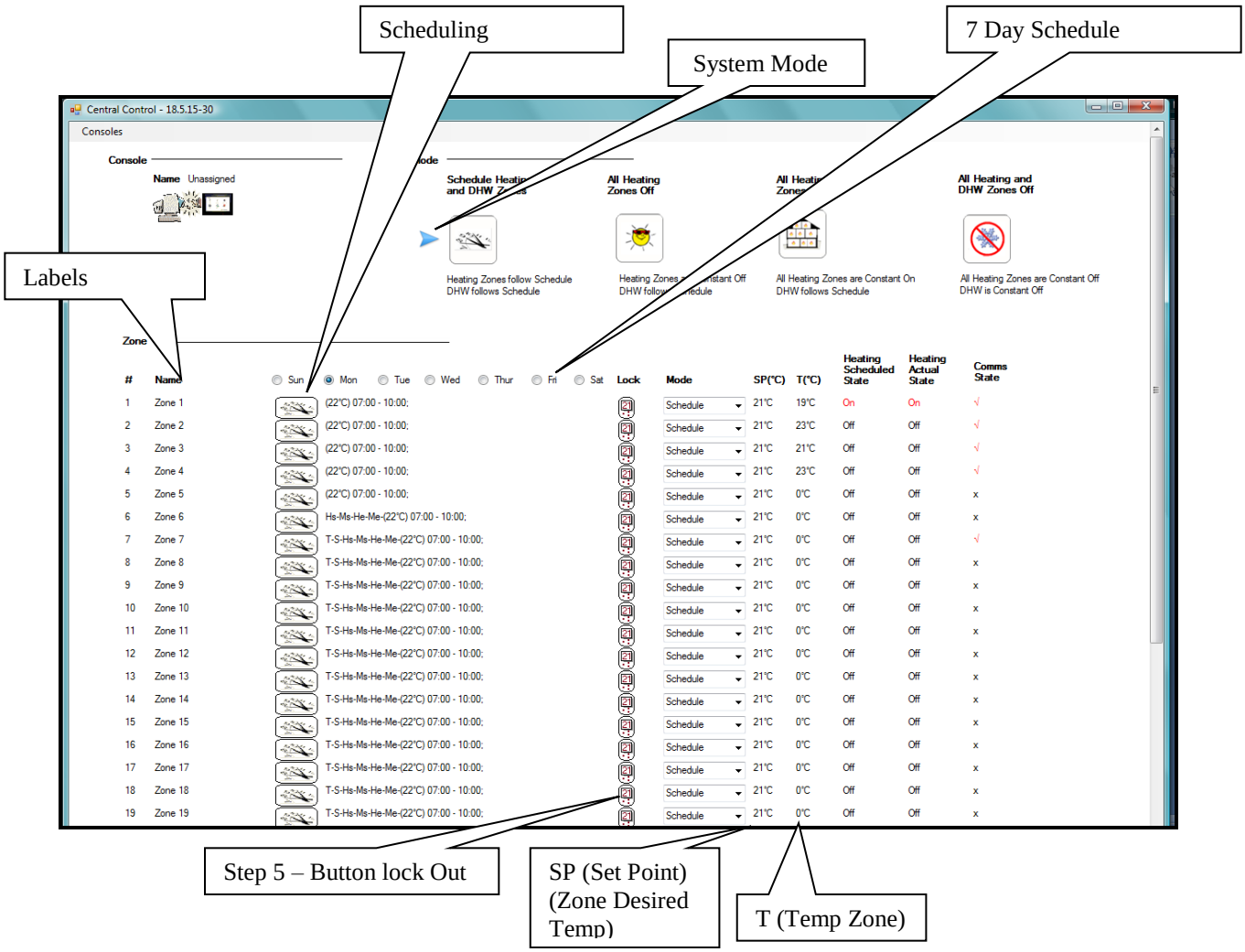
5. PC Link Operation

Overview:
The zone profile allow you to input Labels, Schedule, temp setting and general setting for each of the zones within a development.



Note:
When a Touch Screen console powers up initially, it defaults to Winter Comfort Schedule.
Once the PC Link is established, the Touch Screen move to the Custom Schedule.
Since the Touch Screen is under central control, the Master Mode & Schedule icon are lock out.
If the PC Link between your PC and the Touch Screen is lost.

- After 10 min the "System is currently under Central Control" message is disappear
- The touch screen will revert to the Winter Comfort Schedule

Note the schedule on the PC is never stored on the Touch Screen, it is only stored in RAM (Random Access Memory)

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Zone Profile

Step 1: Labels

Once the PC and linked with the touch screen , the zone labels are retrieved from the Touch Zone Labels will be displayed at the PC.
Zone Label E.g. KITCHEN

Step 2 Scheduling

Each zone can be scheduled ON (Heat to SP) or OFF (Heat to SB (Stand By) (Set Back) over a 24 hr period.

Step 3 7 Day Schedule

Schedules can be different for each Zone and each day of the week.
Click box beside Day to edit it's schedule

Step 4 Mode

Each zone can have the following mode setting

- Normal = Follow ON/ OFF Schedule
- Stop = Ignore Zone Schedule – Move to Set Back Temperature
- Disable = Frost Protection Mode

Step 5 T (Zone Temperature)

T = Zone Temperature

Step 6 SP (Set Point

SP = Zone Set Point Temperature
(Zone Desired Temperature when schedule ON)
If no ON time is schedule during a particular period, the SP displayed is the default value typically 21.
The Zone is then OFF
Off Of ufh zones is SP-SB (Set Point less Set Back)
Off Of Rad zones is Off Temp e.g. 5°C.

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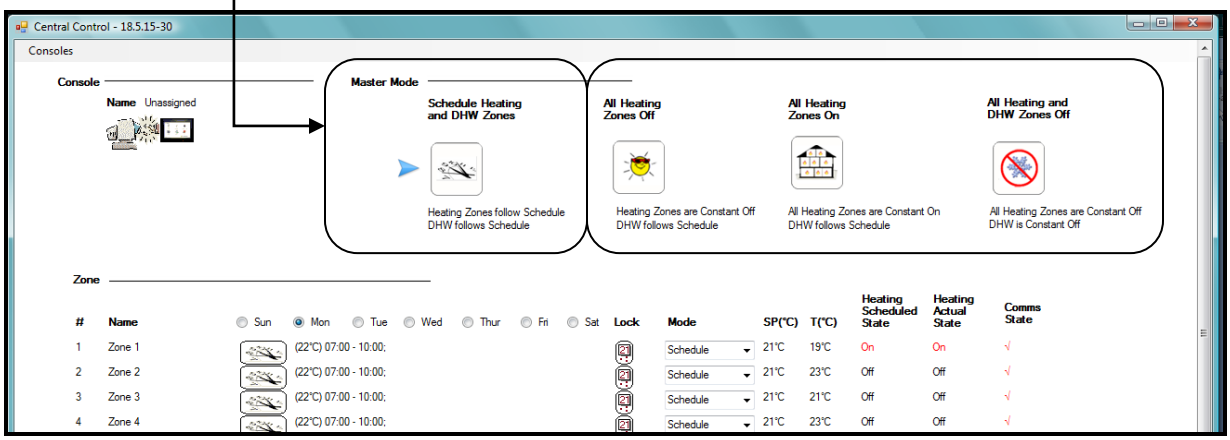
Master Mode:

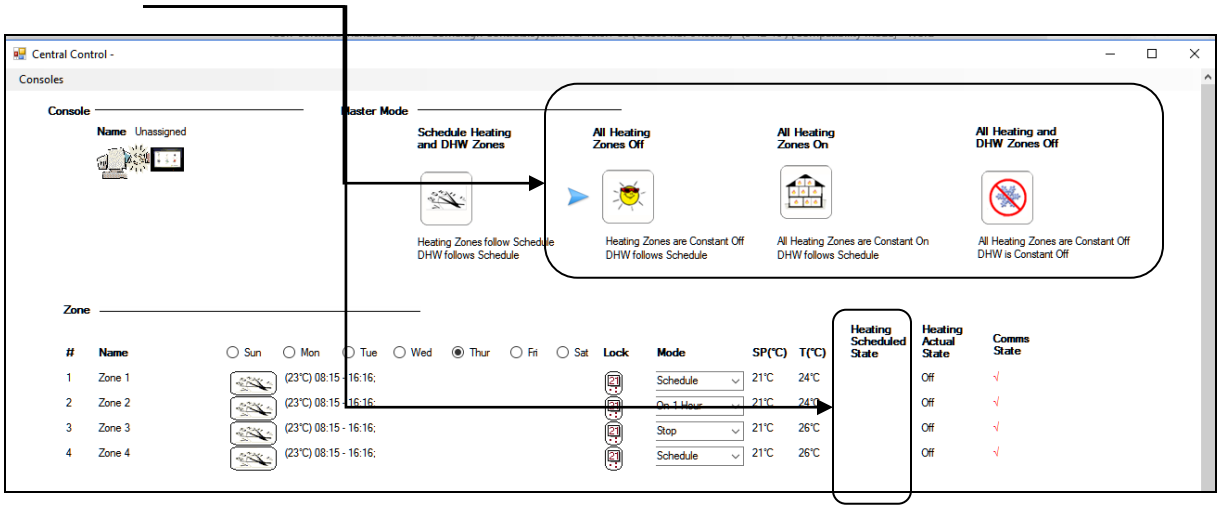
Default :Sch Mode:

Sch Mode: If master mode is set to the Default: Sch Heating & DHW zones, the system display the sch



Other Modes:

Other Modes: If master mode set to [All Heating OFF] [All Heating ON] OR [All Heating & DHW OFF] Sch has no effect and the stats of the sch is removed



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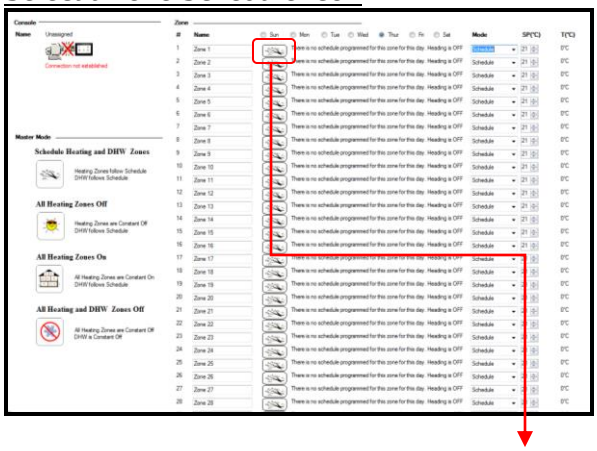
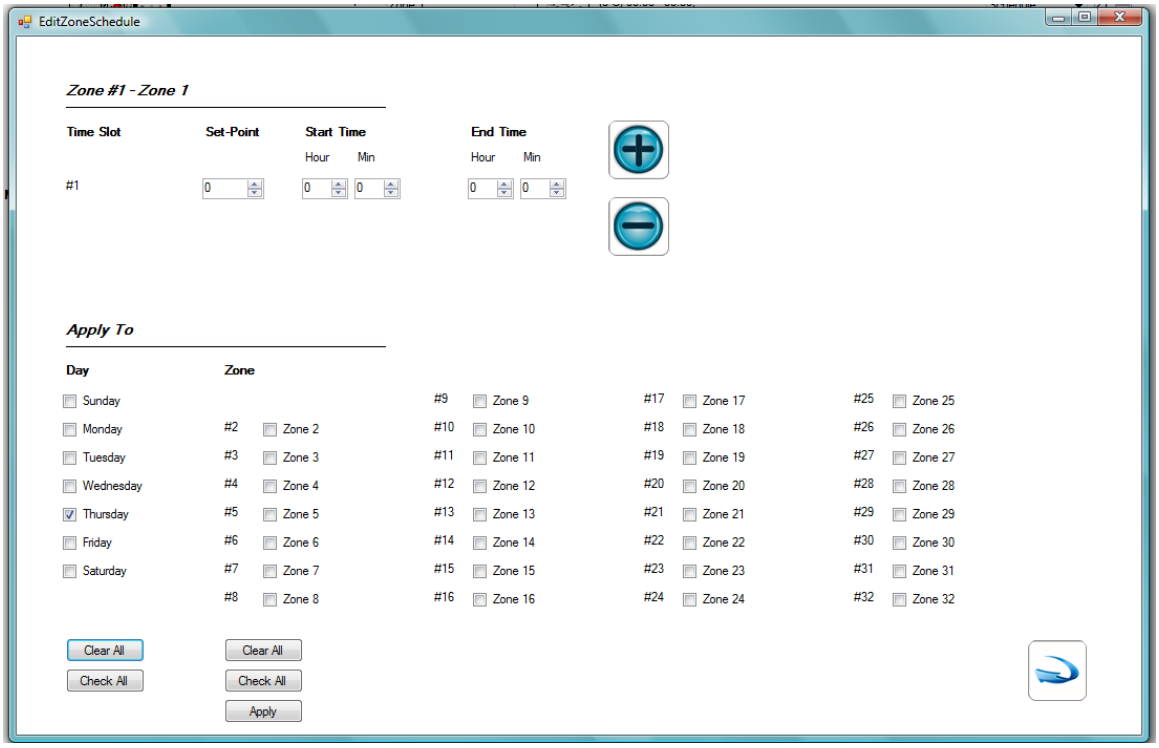
Scheduling

Select a zone Schedule icon





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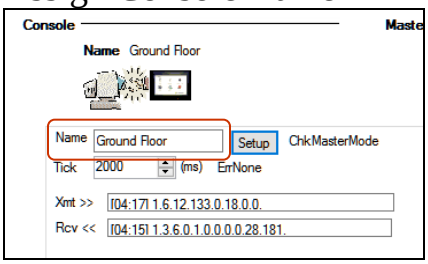
6. Summary Note:

Setup Notes:

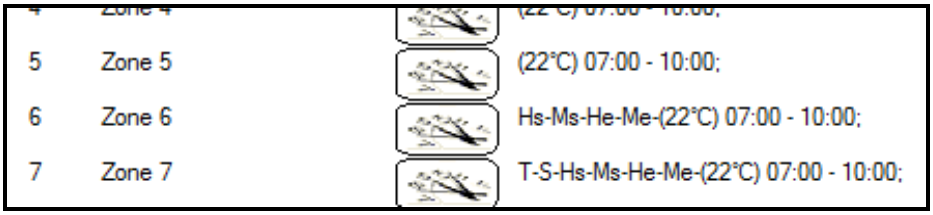
- At Each Console
  - Setup IP address in Windows (DCHP OR Fixed IP Address)
  - Setup Modbus Slave (Type {TCPIP}, ID, Enable Comms, ID Address, Socket =3333)
- At PC
  - Set up each Console (Type {TCPIP}, ID, Enable Comms, ID Address, Socket =3333)
  - Assign Console Name



  - Exit application to save setting

Operation Notes:

- System will start communications (comms) with each console
- During each comms cycle, parts of the zone schedule will be transmitted down to a console.
- System starts with Console 1, Zone 1, 1st Schedule.
- As each parts of the schedule is transmitted down , the element that has been transmitted will be removed



Notations: T (Qty Time Slots), S(SP), Hs (Hour Start), Ms (Min Start), He (Hour End), Me (Min End)

Notes:

1. The first time the system is run, it will download all the sch, for each zone & CURRENT day on each console
(12 ec per sch, e.g.3sch x 20zone x 1days x 3console = 12 x3x20x1x3= 2160Sec= 36 min)
2. Next days at 00:00 hr, it will download the next day
3. After the full schedules is download, the system only download modifications.

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