SAMSUNG New DVM-Pro

User Manual (Sales mode)

English Version

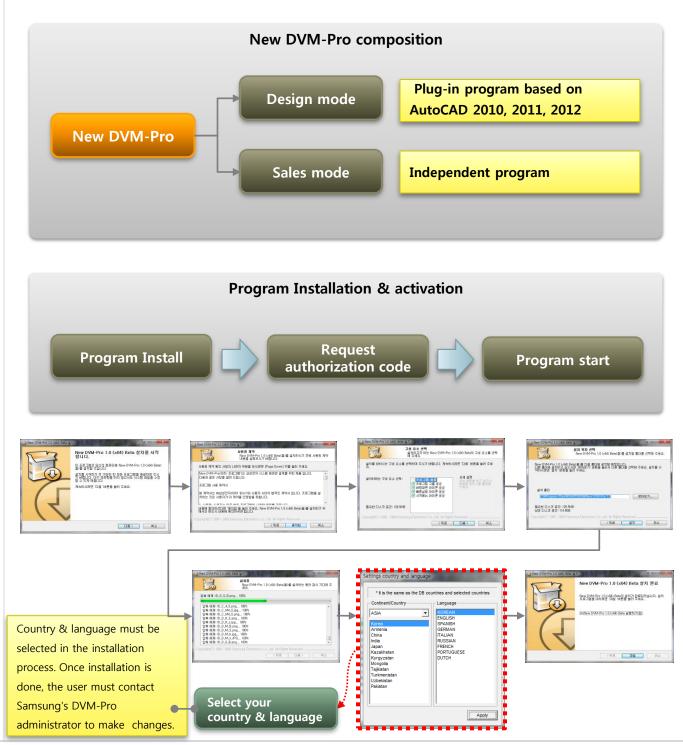
2011. 11.

00 Contents

01	New DVM-Pro Install & Run	3
02	Sales Mode Usage Process	5
03	Operation Procedure	6
(1) Project Define	7
(2) Indoor Unit Design	8
(3) Outdoor Unit Design & Connecting	10
(4) Space Management	12
(5) Piping	14
(6) System Check	17
(7) Capacity Correction	18
(8) Wiring Diagram	19
(9) Control System Selection	20
(1	0) Report	21

()1 New DVM-Pro Install & Run

- New DVM-Pro supports Windows XP/7 32bit, 64bit system.
- After installation, the user must obtain an authorization code to use New DVM-Pro.
- New DVM-Pro is composed of 'design mode' and 'sales mode'.



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New DVM-Pro Install & Run

New DVM-Pro X SAMSUNG NEW -Dra Operating System Windows XP SP 3 AutoCAD Version AutoCAD Mechanical... Sales Version 1.0.0.3 CAD Version 1.0.0.1 DataBase Version 20110901-161400 **Current System** Information Sales CAD Updati Update

• New DVM-Pro is composed of the 'design mode' and 'sales mode', so in starting the program the

• The update information appears in the below section and the user can make the update optionally.

following window appears and the user can choose between the two modes.

'Design Mode', 'sales mode' Run select information

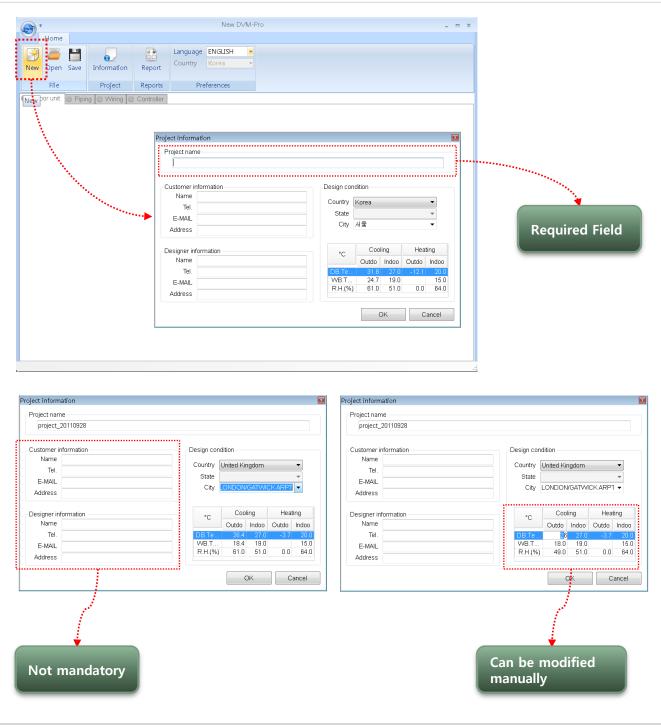


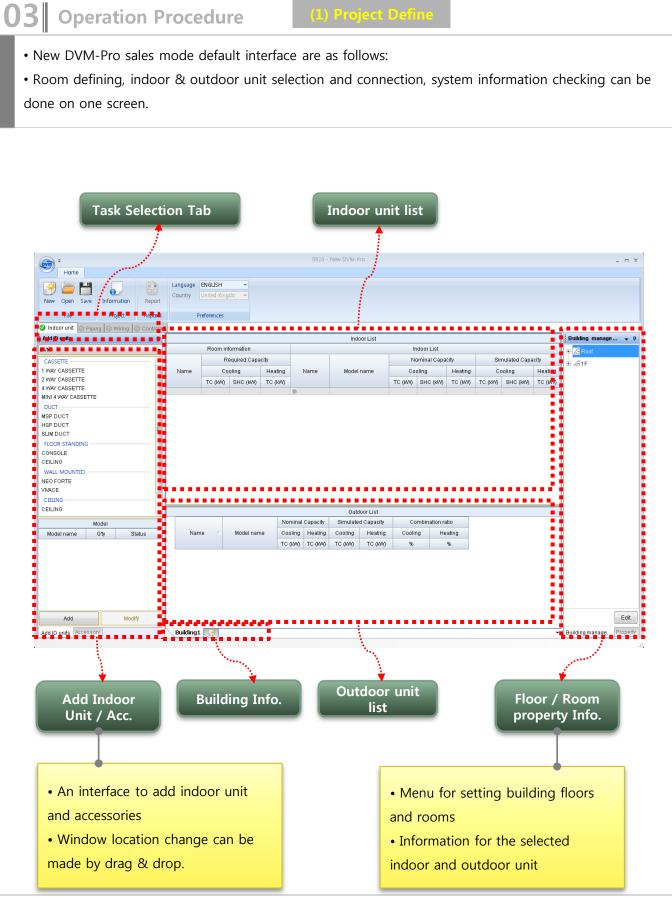


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(1) Project Define

- To create the project, enter basic information.
- Enter the project name, the project name will be saved as the file name. file format is ".dvmx".
- Customer and designer information entering is optional.
- In the Design condition, select your city. It also can be edited manually.

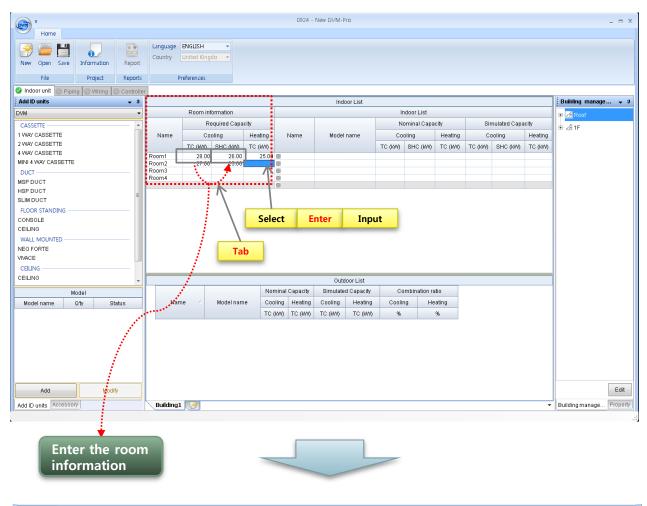




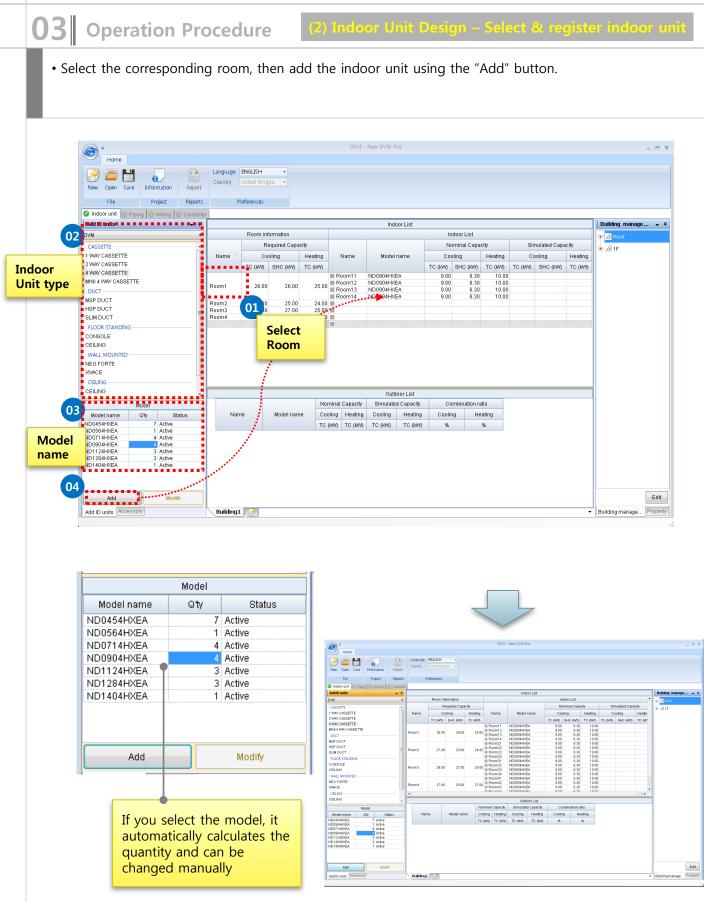
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(2) Indoor Unit Design – Room Info.

- To register Indoor unit, Room name and demand load must be registered first.
- To enter a value in the grid, select the position then press 'Enter'. Use 'Tab' key to move on to the next space.
- Data entering and management can be done easily using the 'Enter' and 'Tab' keys,

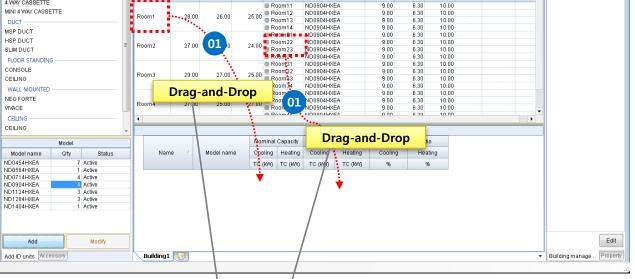


🥝 Indoor unit 🖉 Piping 🖉 Wiring 🧭 Controll	er																	
Add ID units 🗸 🗸		Indoor List											Building manage 👻 🗜					
DVM -		Room in	formation				Ir	ndoor List					⊕- 🧾 Roof					
CASSETTE		R	equired Capa	city			N	ominal Capa	city	Sir	nulated Capa	city	⊕- 2∄ 1F					
Add ID units	Name	Cooling		Heating	Name	Model name	Cooling		Heating	Cooling		Heating						
2 WAY CASSETTE		TC (KW)	SHC (KW)	TC (KW)			TC (KW)	SHC (KW)	TC (KW)	TC (KW)	SHC (KW)	TC (KW)						
	Room1	28.00		25.00														
	Room2 Room3	27.00 29.00		24.00 25.00														
MSP DUCT	Room4	23.00		27.00														
HSP DUCT																		
SLIM DUCT																		
FLOOR STANDING																		

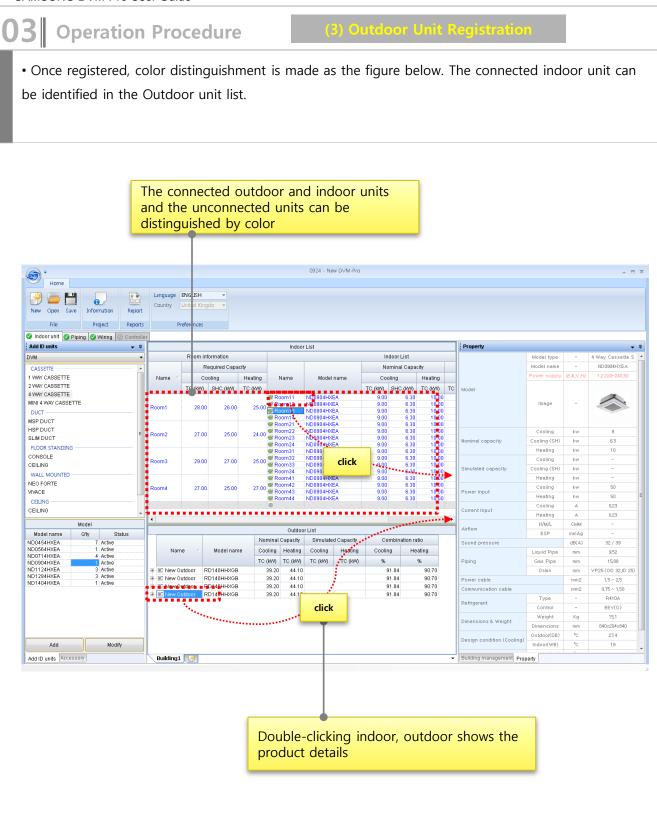


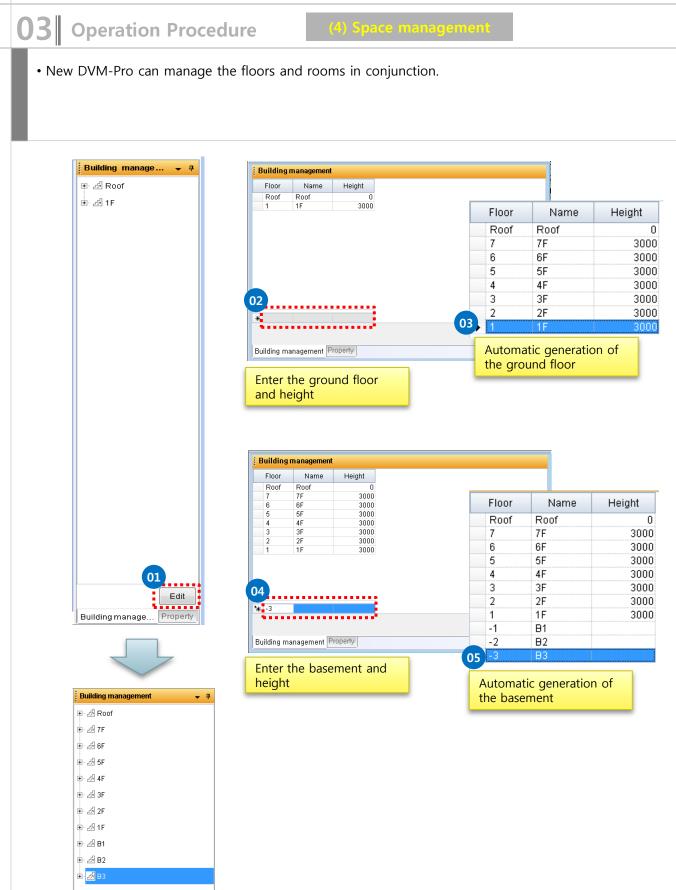
SAMSUNG DVM-Pro User Guide

03 **Operation Procedure** • To register the outdoor unit, select room or indoor unit from the list of the indoor units, then drag and drop to the outdoor unit list. A window will appear for registering the outdoor unit. • Select the type and model of the outdoor unit and enter "OK", then the outdoor unit is registered. 0924 - New DVM-Pro _ = x ovm Home 2 Language ENGLISH / 0 Country United Kingdo New Open Save Information Report File Project Reports Preferences 🥝 Indoor unit 💿 Piping 💿 Wiring 💿 Controller Indoor List Add ID units 👻 🕂 Building manage... 👻 👎 DVM • Room information Indoor List E Z Required Capacity Nominal Capacity Simulated Capacity CASSETTE ±- ⊿ 1F 1 WAY CASSETTE Cooling Name Cooling Heating Name Model name Heating Cooling Heatin 2 WAY CASSETTE TC (KW) SHC (KW) TC (KW) TC (KW) SHC (KW) TC (K/V) TC (K/V) SHC (K/V) TC (K/ 4 WAY CASSETTE Room11 ND0904HXEA 9.00 6.30 10.00 10.00 MINI 4 WAY CASSETTE Room12 ND0904HXEA 9.00 6.30 Room1 5 28.00 26.00 25.00 Room13 ND0904HXEA 6.30 DUCT ND0904HXEA



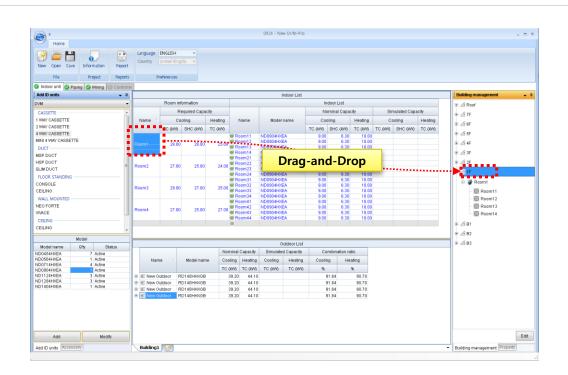
1	DVM 🔹	- D	/M PLUS 4		•	HEAT PUM	HEAT PUMP 👻 HP Compact 👻						Nominal Capacity		
Ì		New Outdoor						c	ombinatio		100 🚔 🖥	Name	Model name	Cooling	Heating
1		Nominal Capacity			c	Combination ratio						TC (KW)	TC (KW)		
												Room11	ND0904HXEA	9	1
	Model na	ame	Cooling Heating		Power supply	Coolin	na	He	ating	Status		Room12	ND0904HXEA	9	1
			TC (KW) TC (KW)						riounig			Room13	ND0904HXEA	9	10
1	RD140HH	IXGB	39.2		3,4,380-415		91.84		90.70	Active		Room14	ND0904HXEA	9	1
	RD160HH	IXGB	44.8	50.4	3,4,380-415		80.36		79.37	Active					
	RD180HH	IXGB	50.4	56.7	3,4,380-415		71.43		70.55	Active					
	RD200HH	IXGB	56		3,4,380-415		64.29		63.49	Active					
3															
1				Items		Unit			RD140HH	<gb< td=""><td></td><td></td><td></td><td></td><td></td></gb<>					
ľ	Nominal p	ower	input			W	10.1/9	.65							
Nominal current input					A	20.9/1	9.4								
Maximum current					A	Max.		28.	63						
	MCCB						40								
			nication wire	es			4.0 ~	4.0	0.7	5~1.5					
1	Liquid Pip	e				mm	12.7								
	Gas pipe	_				mm	25.4								
	Discharge					mm	-								
	Oil balanc		ipe erant amoui	_1		mm kg	7								
	Size (WxH		erant alliou	m		mm	1	695×765							
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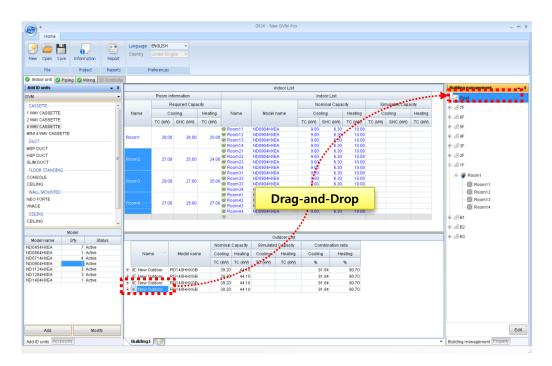




(4) Space management

• Rooms can be registered to floors. Select indoor unit, room or outdoor unit and by drag and drop to the desired floor, registration is complete.

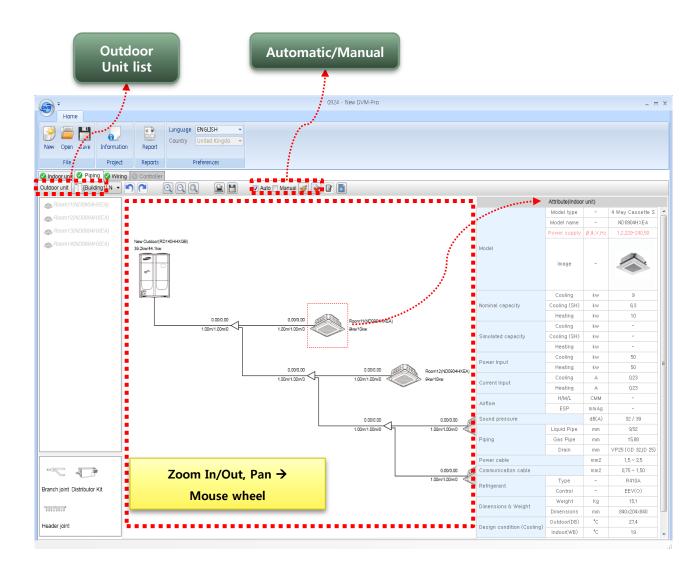




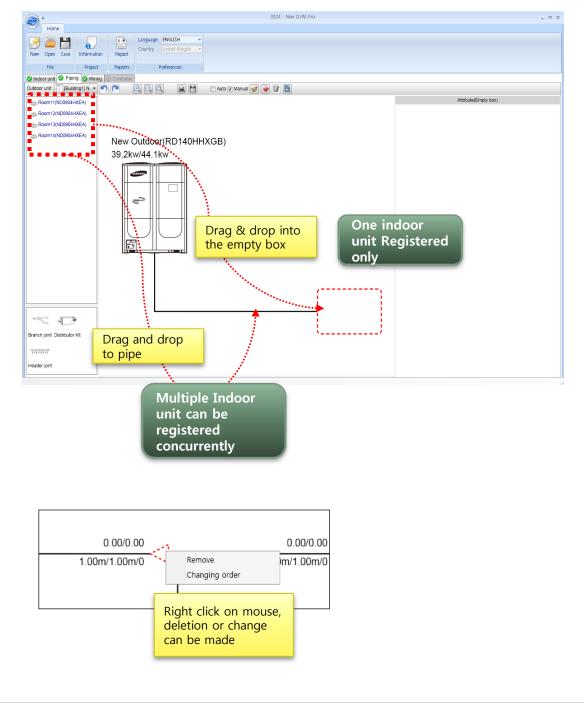
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• After registration of the indoor and outdoor unit is complete, the piping tab is activated, the user will be able to write.

- The default mode is auto-piping, the user can manually direct if needed,.
- Like the CAD, the user can use the mouse wheel to zoom in / out, and pan.



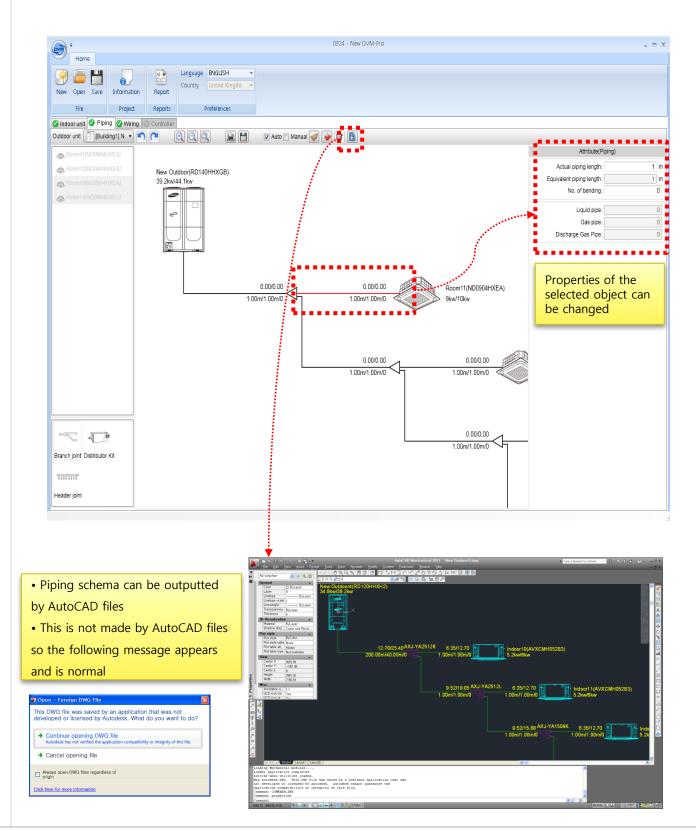
C)3	Operation Procedure	(5) Fiping – manual	
	• Wh	hen you select manual, a list of indoor un	its connected to the selected outdoor unit is	s shown.
	• Dra	ag-and-drop placement is possible and a	utomatic Y-joint setting can be made depend	ding on the
	situa	ation.		
	• Dej	epending on your needs EEV Kit or Heade	r can also be used.	
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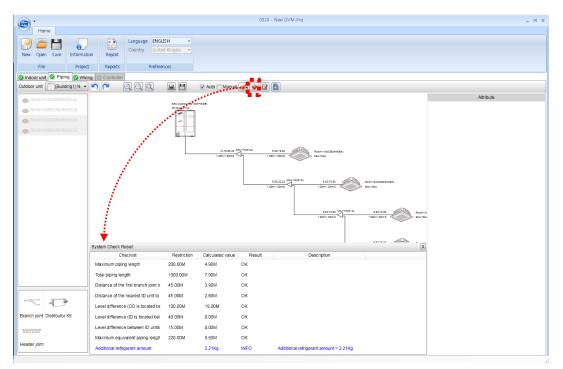
(5) Piping – manua

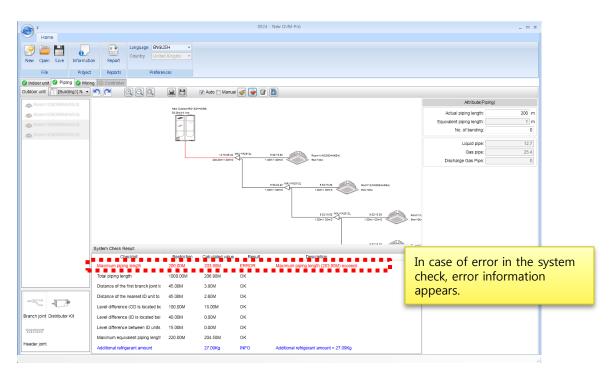


(6) System Check

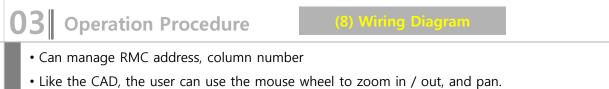
• Once Piping system is complete, you can proceed with system check and the results are displayed on the bottom.

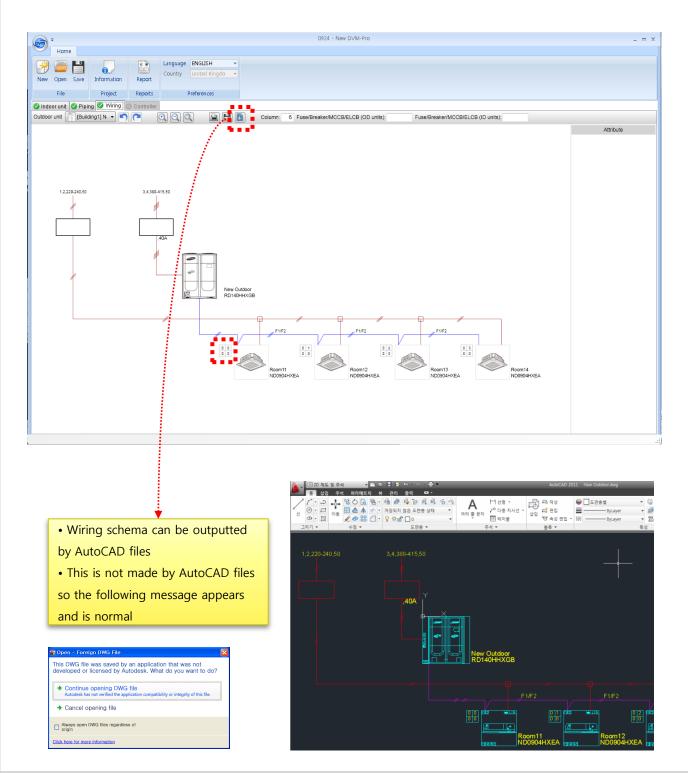
• If there is a problem in the system check, error description appears in red at the bottom. Modify errors and perform system check again.





peration						ty Coi				
ty correction	can b	e done after	system	n check	is con	npleted	d.			
apacity correcti	on									
-Design cond	lition : Ir	idoor								
Cooling WB	.Temp	19 °C	He	ating DB	.Temp	2	0°C			-
- Design cond	lition : O	utdoor								
Cooling DB		27.4 °C	He	ating DB	Temp	-2	3 °C			
Maximum		24.50 m		Maximun	-	18.0	-			L
Maximum	piping	24.30		Maximan	110701	10.0	<u> </u>			
Outdoor unit		'M PLUS 4						oling	Hea	tina
Type Mode				Combina	ation rat	tio		91.84		9 90.7
Name		w Outdoor		Nominal				39.20		44.1
Model name	RD	140HHXGB	:	Simulate	d Capa	city		0.00		0.0
_Indoor unit—										
				Nomi	nal Cap	Simula	ated Ca	pacity		
Name)	Model nar	ne	Coo	ling	Heati	Coo	ling	Heati	
				TC	SHC	TC	TC	SHC	TC	Į
🔲 Room11		ND0904HXEA		9,00	6, 30	10,00				
🔲 Room12		ND0904HXEA		9,00	6, 30	10,00				
🔲 Room13		ND0904HXEA		9,00	6, 30	10,00				
🔟 Room14		ND0904HXEA		9,00	6, 30	10,00				
5										
Totals										1
				36,00	25, 20	40,00	0,00	0,00	0,00	
			01							
			_	Capacit						

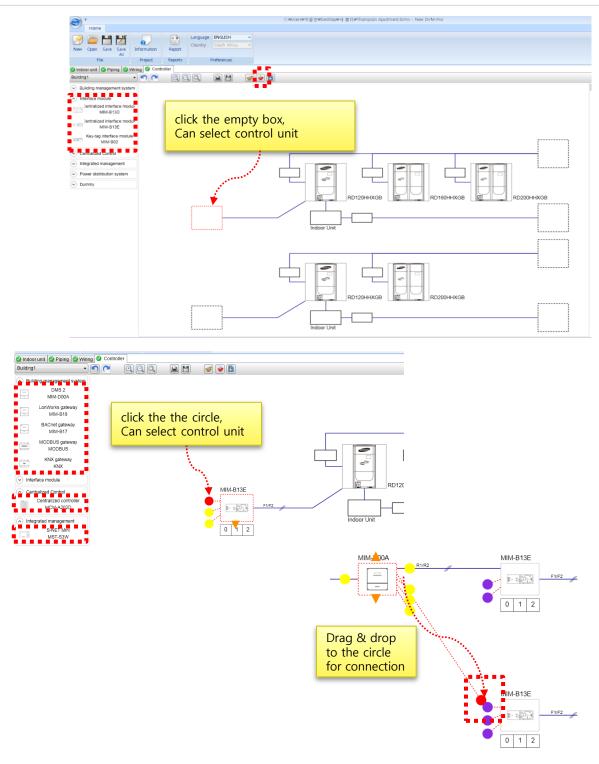






(9) Control System Selection

- Control system management
- If there is a problem in the system check, error description appears in red at the bottom. Modify errors and perform system check again.



SAMSUNG DVM-Pro User Guide



