Number	M036
Subject	AE-C400E/EW-C50E
Date	13 May 2025

AE-C400E/EW-C50E

Please note that Mitsubishi Electric Central Controllers AE-200E-1/EW-50E-1 have now been replaced by AE-C400E/EW-C50E which cannot be set up via the touchscreen so it will be necessary to use the AE-C400 Initial Settings Tool and set up from a laptop via the LAN1 connection.

These controllers again **do not** support the generic Maintenance User "initial/init" username/password.

The default password is unique to each controller and can be found on the back cover of the installation manual so it is imperative to not dispose of the manual prior to setting up the controller.

Below is an example of a default password:



When entering the password you still type "initial" into the username (Tenant Manager – "admin" for Building Manager) and then type "Init" (first letter uppercase/next three letters lowercase) before the password (all uppercase) so, in the above example, the username is "initial" and the password is "InitCN6GR44G".



The first step is to ensure your laptop IP Address is within the same network range as the controller. To do this go to "Settings":



Then "Network & Internet":









Then click "Change Adaptor Options":

💽 Autos	← Settings -	- 🗆 X	W Help	Search			
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Paste 4	Ethernet Not connected		ormal	No Spacing Styles	Heading 1	Editing	Create and Share Re Adobe PDF Sign Adobe Acrobat
	Related settings Change adapter options Change advanced sharing options Network and Sharing Centre Windows Firewall Help from the web		- 0 ×	~ ~ ver ~	<i></i>		

Then double click "Ethernet":

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 Clipboard 	烥	Organise 🕶			0	l
	Rela Chang Chang Netwo Windo	Bluetooth Network Connection Not connected Bluetooth Device (Personal Area WGFi Intel(R) Ethernet Connection (3) L2: Intel(R) Ethernet Connection (3) 12:18-LM	Jess-AC 72			
	Help					

Highlight TCP/IPv4 and click properties:





Change your IP Address to one that is higher and within the same range as the controller (for this instance I have used 192.168.1.101):

autoSave ● Off 등 5 ~ ○ ~ M036 - AE-C400E & EW-C50E - Compatibility ~	0 -
File Home Insert Draw Design Layout References Mailings Review View Help Acrobat	🖵 Comments 🖉 Editing
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Clipboard 5	ttings of this connection
Networking Sharing ble unplugged anet Connection (2) L. To Vigor logicod.local met Connection (2) L. Internet Protocol Version 4 (TCP/IPu4) Properties X General X You can get IP settings assigned automatically if your network supports this capability. Otherwise, your network administrator for the appropriate IP settings. Obtain an IP address: 12.168.1.1.101 Submit make: 225.255.25 Default gateway: .	(L2TP) WFF VM5302681 Intel(R) Dual Band Wireless-AC 72

Click save and begin the following steps.

The second step is to connect your laptop to the LAN1 connection of the controller to download the security certificate of the controller.

You achieve this via opening your webrowser and typing in the IP address of the controller (the default IP address is 192.168.1.1) followed by :8008/cacert so, this will be 192.168.1.1:8008/cacert.

The certificate will be downloaded to the top right corner of the screen:

	12) B 12 1
Downloads	E Q Ø
CacerLeer Open file	
See more	



Open the file and install into the Trusted Root Authorities Store on your laptop (basically follow the prompts as below):

0	Open File - Security Warning	×
	Do you want to open this file?	
	Name: C:\Users\Alpin\Downloads\cacert.cer	
h	Publisher: Unknown Publisher	de
	Type: Security Certificate	
	From: C:\Users\Alpin\Downloads\cacert.cer	
	Open Cancel	
	Always ask before opening this file	
	While files from the Internet can be useful, this file type can potentially harm your computer. If you do not transit	_
F	Certificate Import Wizard	
	Welcome to the Certificate Import Wizard	
	This wazard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.	
	A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.	
	Store Location	
	Current User	
	Unite Medwe	
	To continue, dick Next,	



CA Root certi	rtificate is not trusted. To enab ficate in the Trusted Root Certi	le trust, fication
norities sto	re.	
Issued	to: Mitsubishi Electric ACR Root CA	
Issued	by Mindada a	
	Bectric ACR Root CA	



You are now able to log into the AE-C400E via the Initial Settings Tool.

Open the settings tool and click "New"



Then type in the IP Address of the controller and click "Save":

Air Conditioning Control System - Initial Set le (F) Data acquisition (M) Send (S)	ting Tool Nata verification (V) Option (O) Help (H)	
c Settings Unit Settings Roor Settings Billin nnection Control Target Basic System	Function Settings Interlock Control Settings Function settings	
Connection Settings		
Centralized controller	Destination IP address-host name	
AE-C400 (with LCD)	v 192.168.1.1	^
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Next go to "Data acquisiition" and click "Acquire data"

Air Conditioning Control System - Initial Setting Tool		×
File (F) Data acquisition (M) Send (S) Data verif Basic Setti Acquire data (M) Billing Function Connection Control Target Basic System	ication (V) Option (O) Help (H) Settings Interlock Control Settings Function settings	
Centralized controller	Destination IP address/host name	
AE-C400 (with LCD) ✓		

The tool will ask you if you wish to save the file, click yes and save a copy on your desktop.

Confirmation			×	:
Untitled Changes of ab save the settin	ove setting have gs?	e been made. Do ye	ou want to	-
	Yes	No	Cancel	
Air Conditioning Control System - Initial	Setting Tool			-
📓 Save As	100 Testalia	a. Crawle of C400	X I	
← → ↑ ↑ 🔛 ≪ Desktop → AE-C	400 iraining	Search AE-C400	iraining p	
 Pictures * Name Warranty * AE-C Jet Air Stream Mechtech Design S Service Site Photos OneDrive - Logicool. This PC 3D Objects Desktop V 	C400 Training 2 C400 Training	Date modified 01/05/2025 16:48 26/03/2025 13:37	Type DAT DAT	
File name: AE-C400 Training 3			~	
Save as type: Settings file(*.dat)			~	



The tool will ask for the Username and Password, these are as outlined at the beginning of this document:

		Floor Settings	Billing Function Setting	s Interlock Control	Settings Functi	on settings					
nection C	ontrol Targe	t Basic System									
		14 - 20 - C. 1997								_	
Conr	Auth	entication inforr	nation input)	×	
	Ente	r ID and password	l.								_
	Centr	1	NI-				She	ow password		^	
1		tralized controller	No.:		1	ID		Password			
					<u> </u>						
2											
3											
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							0	к	Cancel	1	

The tool will start to search for the controller settings:

) Da	ata acquisition	(IVI) Sella (
Settings	Unit Settings	Floor Settings	Billing Function Settings	Interlock Control Setti	ings Function settings		
ection	Control Target	Basic System					
Cor	nnection	Settings					
	moodom	ocunga					
_	Centralized co	ntroller	Destir	nation IP address/host na	ame		
	Centralized co	ntroller (with LCD)	Destir	nation IP address/host na 68.1.227	ame		^
1	Centralized co	ntroller (with LCD)	Destir	nation IP address/host na	ame		^
1	Centralized co	ntroller (with LCD)	Destir V 192.1	nation IP address/host ni 68.1.227 ata	ame	×	^
1	Centralized co	(with LCD)	Destin ✓ 192.1 Acquiring d	nation IP address/host ni 68.1.227 ata	ane	×	
1	Centralized co	(with LCD)	Destin ✓ 192.1 Acquiring d Acquiring d	hation IP address/host ni 68.1.227 ata aka	ame	×	
1	Centralized co	(with LCD)	V [192.1 V [192.1 Acquiring d Acquiring d Please wait	nation IP address/host n 68.1.227 ata ata	ame	×	
1	Centralized co	(with LCD)	V [192.1 V [192.1 Acquiring d Acquiring d Please wait	nation IP address/host n 68.1.227 ata ata	ame	×	
1	Centralized co	(with LCD)	Cestin Ig2.1 Acquiring d Please wait	nation IP address/host n 68.1.227 ata ata	ame	×	



When finished the screen should look like this:

sic Settings	Unit Settings	Floor Settings	Billing Function S	ettings Interlock	Control Settings	s Function settings			
onnection	Control Target	Basic System							
Cor	nnection	Settings							
	Centralized cor	ntroller		Destination IP add	dress/host name	e			
	Centralized co	ntroller (with LCD)	~	Destination IP add 192.168.1.227	dress/host name	e			^
1	Centralized co	ntroller I (with LCD)	~	Destination IP add 192.168.1.227	dress/host name	ð			^
1	Centralized con	ntroller I (with LCD)	~	Destination IP add 192.168.1.227	dress/host name	9			
1	Centralized con	ntroller (with LCD)	~	Destination IP add	dress/host name	e In data			
1	Centralized con	ntroller I (with LCD)	~	Destination IP add	dress/host name	e Ig data	<		
1	Centralized con	ntroller (with LCD)	v	Destination IP add	dress/host name Acquirin Data acc	e ig data	×		

You are now ready to begin setting up the units on your controller. Go to Groups (Unit Settings) and add the unit type and MNET address as below:

🖪 Air Co	onditioning Contro	ol System - Initial S	etting Tool							×
File (F)	Data acquisition	(M) Send (S)	Data verification (V) Option (O) Help	(H)					
Basic Sett	ings Unit Settings	Floor Settings Bill	ing Function Settings	Interlock Control Settings	Functi	ion settings				
Groups	Hot Water Supply	Refrigerant System	Outdoor Unit Name	Interlocked LOSSNAY	Blocks	Energy Management Block	PI Controller	Al Controller	Modbus Connection	AHC Port Nar 4
	Та	arget centraliz	ed controller:	1				~	•	
G	iroup Setti	ngs								
	Group Na	me		System Configu	uration					
	Room 1] 🔂 1						^
	1]				
	Room 2] 🛅 2						
	2]				



ic Setti	ngs Un	it Settings	Floor Setting	gs Billing Func	tion Se	ettings I	nterlock	Contro	ol Settin	gs Fu	nction s	ettings									
oups	Hot Wat	er Supply	Refrigerant \$	System Outdoo	or Unit	Select U	Init Ad	dresse	CCNAY 5	Dia				DI	I. DI	×	Al Contro	oller Moo	bus Connection	AHC Por	rt Nar 1
		Та	arget cen	tralized co	ntro	Grou	ip Name	ə:										~			
							Room	1													
G	roup	Setti	ngs											F	7						
		Group Nar	ne											-							
		Room 1				•	Air-cond	itioners	i											^	
						0	Air-cond	itioners	(A-cont	trol)											
	1					0	HWHP	ater													
						00	Chiller														
		Boom 2				0	MEHT-C	CH&HP													
		100112				01	LOSSN	AY													
	2					01	LOSSN	AY with	heater	humidif	ier										
						00	General	Equipn	nent (via	a PAC-Y	G66DC	(A)									
					_	Unit Ad	Idresses			-		_		-		-				-	
					_		2	3	4	5	6	7	8	9	10						
	3					11	12	13	14	15	16	17	18	19	20						
						21	22	23	24	25	26	27	28	29	30						
					_	31	32	33	34	35	36	37	38	39	40					_	
						41	42	43	44	45	46	47	48	49	50						
	4											OK		Ca	incel						
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Click "Save" at the bottom of the screen as you input each Group to ensure you have saved all changes. When you are finished you will need to send the data to the controller. To do this you click "Send to all controllers":

Air Conditioning Control System	n - Initial Setting Tool		×
File (F) Data acquisition (M) Basic Settings Unit Settings Poor Groups Hot Water Supply Refrig- Target C	Send (S) Data verification (V) Opti Send to all controllers (S) Send to a selected controller (I) centralized controller: 1	on (O) Help (H) Trol Settings Function settings OSSNAY Blocks Energy Management Block PI Controller AI Controller Modbus Connection A	HC Port Nar 🔹
Group Name Room 1	()	System Configuration	^
Room 2	() 	2	



You will be asked for the password once again, this is the same as before:

(F) Dat	ta acqui	isition (M)	Send (S) Data ve	rification (\	V) Option (C)) Help	(H)							
ups Hot	Water S	upply Refri	r Settings	Billing Funct	ion Settings r Unit Name	Interlock Contr	OSSNAY	Blocks	n settings Energy Managemer	t Block	PI Controller	Al Controller	Modbus Conner	ction	AHC Port Nar
		Targe	t centra	lized cor	troller:	1						~			
~	-	Authenticat	ion inforn	nation input										×	
Grou	up	Enter ID and	d password												
	C									[Show pas	sword			
- 11	[,	Centralized	controller	No.:					ID			Password		_	l î
		1					in	itial						î	
- 11															
	ſ														1
- 11															
- 11	2														
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- 11	4														
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As the tool sends the data, you will see the units populate onto the screen and it will be ready for operation.

Date & Time settings can be changed either on screen or via your laptop (for laptop type <u>https://192.168.1.1/control</u> and login using Username & Password as above). To change these go to Initial Settings:

619	îi 🕮 🗠			
& Gener	റ്റെ Monitor / Operation	Energy Management	Schedule	<u>∕</u> t Notice
ter Oener	😤 Floor	III Usage Status	Schedule settings	🔄 Error List
Product in Energy ma	≡ List	unt Peak Cut	🖷 Date range setting	🔄 Unit error log
output	III Status list			🔄 M-NET error log
				Arr Network error list
				🚔 Filter sign
	🔅 Initial settings			
	🔅 General settings			
	Initial settings			
	🔅 Maintenance			



🕸 Initial settings	Controller settings	Select C	ontroller	SC01	
Controller settings					
Network settings	Date and time	12/05/	2025 09:05:52		
Hot Water Supply Settings	Time zone(Region)	U	ГС		•
	Time Synchronization		No sync		•
	Air-conditioner Settings				
	Test run			OFF	•
	browser settings				
	Error warning			Disable	•
2024 MITSUBISHI ELECTRIC			Cancel		Save

IP Address (LAN1 & LAN2) can be changed in "Network Settings".

lnitial settings	Network settings	Select Controller	SC01 >
Controller settings	LAN1		Manual 🗸
Network settings	LANT		Wandar
Hot Water Supply	IP address		192.168.1.227
Settings	Subnet mask		255.255.255.0
	Gateway		192.168.1.254
	MAC address		28E98E062152
	DNS		Manual 👻
	Preferred DNS server		
	Alternate DNS server		
	LAN2		Manual 👻
	IP address		192.168.2.1
© 2024 MITSUBISHI ELECTRIC CORPORATION ALL RIGHTS RESERVED		Cancel	Save



	88 Monitor / Operation	Energy Management	Schedule	Notice
	😤 Floor	III Usage Status	Schedule settings	🔄 Error List
	≡ List	unt Peak Cut	🖷 Date range setting	🔄 Unit error log
r	III Status list			🔄 M-NET error log
				Arrow Network error list
				Filter sign
P.	🔅 Initial settings			
	General settings			
Ē	Initial settings			

The Username & Password can be changed in "Maintenance":

Go to "User Registration" and change the various user settings to Usernames/Passwords of your own choice:

fome to the second seco		
Settings		
Maintenance		User registration
		Initial settings
		Function
		Ventilation Settings
ff Home		
© Settings		
JT		Commissioning user
Maintenance	/	For Building Managers
	<	For Tenant Managers
		For General Users



When finished with all settings please ensure you return your laptop to automatic IP Address:

Internet F	Protocol Version 4 (TCP/IP)	/4) Propert	ies		×
General	Alternative Configuration				
You car this cap for the	n get IP settings assigned au ability. Otherwise, you need appropriate IP settings.	tomatically i I to ask you	f your n r networ	etwork s rk admini	supports strator
() Ot	otain an IP address automati	cally			
	e the following IP address: -				
IP ac	ldress:		1		
Subr	et mask:				
Defa	ult gateway:				
() Ob	otain DNS server address au	tomatically			
OUs	e the following DNS server a	ddresses:-			
Prefe	erred DNS server:				
Alter	native DNS server:				
V	alidate settings upon exit			Adva	anced
		C	OK		Cancel

