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# Summary

- 1. This technical bulletin informs about new configuration software for HC-A32MB.
- 2. The details are indicated in the description.

## **Description**

### 1. Applicable product, model code:

7E513200 HC-A32MB	

## 2. Context of HC-A32MB Configuration Software

HC-A32MB can be configured using DIP-Switch, but it takes long time to set up big installations with many indoor units.

To help user to configure the installation Hitachi supplies the HC-A32MB Configurator Software. This software has a friendly interface that makes that configuration become easier.

Following two elements are needed:

- **Modbus Gateway:** (Field Supplied) Gateway from RS-485 (Modbus) to USB, Serial or Ethernet the communication with HC-A32MB.
- **HC-A32MB Configurator software**: Software to configure the HC-A32MB supplied by Hitachi (It is available for Hitachi personnel for download it from <a href="http://www.hitachiaircon.es/">http://www.hitachiaircon.es/</a>).

### 3. Compatible Modbus Gateway from RS-485 or USB

HC-A32MB Configuration Software works using the Modbus communication of HC-A32MB, in order to start that configuration it is necessary to connect computer to RS-485 (Modbus).

Hitachi recommends the following devices.

USB/Serial to RS-485 (Modbus) Gateway	Ethernet to RS-485 (Modbus) Gateway
Model: Uport 1130 from MOXA®	Model: MGate MB-3180 from MOXA®

Hitachi Air Conditioning Products Europe, S. A.	
Barcelona (Spain)	

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4. HC-A32MB Configurat	tor Software							
Software allows two kinds - Using Serial Port (US - Using Network	of connection SB or RS-232)	with the Modbus Gateway	y:					
When Serial Port Connect - COM Port: communic - Speed: speed of the s - Parity: type of commu - Type: H-LINK units typ - Modbus ID: identifier	tion is selected cation port of th serial communi unication parity pe, Packaged of HC-A32MB.	, it must be configured the e computer. cation in bauds. , or Chiller. . On 0 use broadcast com	e followir imunicat	ng options: ion.				
Hitachi MODBUS Cont	figurator							
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Inspire the N HARC-MODBUS CONFLO	lext SURATOR							
	Serial Port							
	- Serial Port C	onfiguration )						
	COM Port	COM1 👻						
	Speed	19200 💌						
	Parity	None						
	Туре:	Packaged 🔻						
	Modbus Id	0 - Broadcast 🔍 🔻						
· ·	O Network							
	Network Cor	miguration						
	IP Address Port	172.16.130.225 502						
	Туре:	Packaged 🗸						
	Modbus Id	0 - Broadcast 💌						
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			Disconne	ect Connect		Exit		
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When Network Connection	n is selected,	it must be configure	d the following	ng options:				
- IP Address: address of - Port: port address of	01 HC-A32101B HC-A32MB h	v. V.default uses the N	Indhus nort	502				
- Type: H-LINK units ty	pe, Packaged	or Chiller.		502.				
- Modbus ID: identifier	of HC-A32ME	3. On 0 use broadca	st communic	cation.				
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### 4.1. Package Connection

When software connects with HC-A32MB and it is connected to Packaged installation, the following window will appear with 2 tabs, the first one is the Configure tab.

On the **Configure** tab, it is possible to specify up to 32 Modbus Identifiers related to a Indoor Unit and Outdoor Unit address.

To specify which Indoor Unit we want to set on the Modbus Id, it is necessary to set also the Outdoor Unit.

<b>Device Information</b>	)			
Type HAF	RC-MODBUS			
Firmware Version 1.0.	0.001			
Master Device Mas	ster	(SW7 #1)		
Refresh by Event Eve	ent	(SW7 #2)		
(Unit Configuration)				$\leq$
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Set Mode	-	-	-	-	-	-	-	-	-	-	-	
Set Fan	-	-	-	-	-	-	-	-	-	-	-	
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Set Central	-	-	-	-	-	-	-	-	-	-	-	
Read On/Off	-	-	-	-	-	-	-	-	-	-	-	
Read Mode	-	-	-	-	-	-	-	-	-	-	-	
Read Fan	-	-	-	-	-	-	-	-	-	-	-	
Read Tset	-	-	-	-	-	-	-	-	-	-	-	
Read Louver	-	-	-	-	-	-	-	-	-	-	-	
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**Refresh** button reloads table information.

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## 4.2. Chiller Connection

When software connects with HC-A32MB and it is connected to Chiller installation, the following window will appear with 2 tabs, the first one is the Configure tab.

On the **Configure** tab, due to the maximum number of Chillers on a H-Link line is 8, and maximum number of Modbus address form HC-A32MB is 32, then it is not necessary to set what Chillers will be on each Modbus address.

Chillers will have same H-Link address value than Modbus address value.

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Configure	Monitor							
	<b>Device Informati</b>	ion )						
	Туре	HARC-MODBU	S					
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