

HITACHI

Distributed to C Areas:			
All Areas		The middle East	
Europe	⊙	Southeast Asia	
Australia		Africa	
Others ()			

TECHNICAL BULLETIN

SUBJECT
HC-A32MB Configurator software uploaded to HAPE WEB

DATE: NOV. 09

PAGE 1 / 7

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:

MODEL CODE	DESCRIPTION
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 <http://www.hitachiaircon.es/>).

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
<p>Model: Uport 1130 from MOXA®</p> 	<p>Model: MGate MB-3180 from MOXA®</p> 

HITACHI

Distributed to C Areas:			
All Areas		The middle East	
Europe	⊙	Southeast Asia	
Australia		Africa	
Others ()	

TECHNICAL BULLETIN

SUBJECT
HC-A32MB Configurator software uploaded to HAPE WEB

DATE: NOV. 09
PAGE 2 / 7

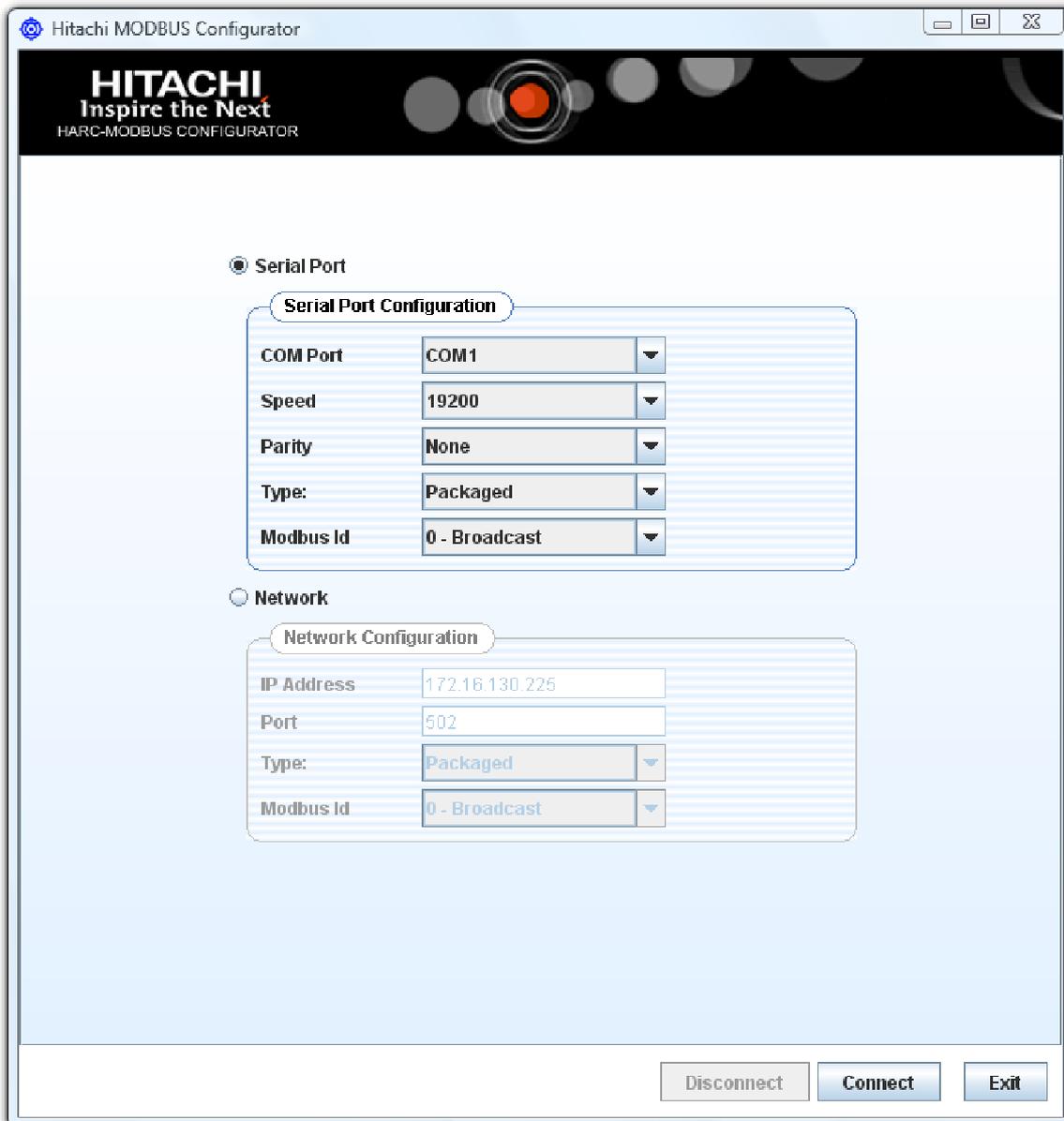
4. HC-A32MB Configurator Software

Software allows two kinds of connection with the Modbus Gateway:

- **Using Serial Port (USB or RS-232)**
- **Using Network**

When Serial Port Connection is selected, it must be configured the following options:

- **COM Port:** communication port of the computer.
- **Speed:** speed of the serial communication in bauds.
- **Parity:** type of communication parity,
- **Type:** H-LINK units type, Packaged or Chiller.
- **Modbus ID:** identifier of HC-A32MB. On 0 use broadcast communication.



HITACHI

Distributed to C Areas:

All Areas		The middle East	
Europe	⊙	Southeast Asia	
Australia		Africa	
Others ()	

TECHNICAL BULLETIN

SUBJECT
HC-A32MB Configurator software uploaded to HAPE WEB

DATE: NOV. 09

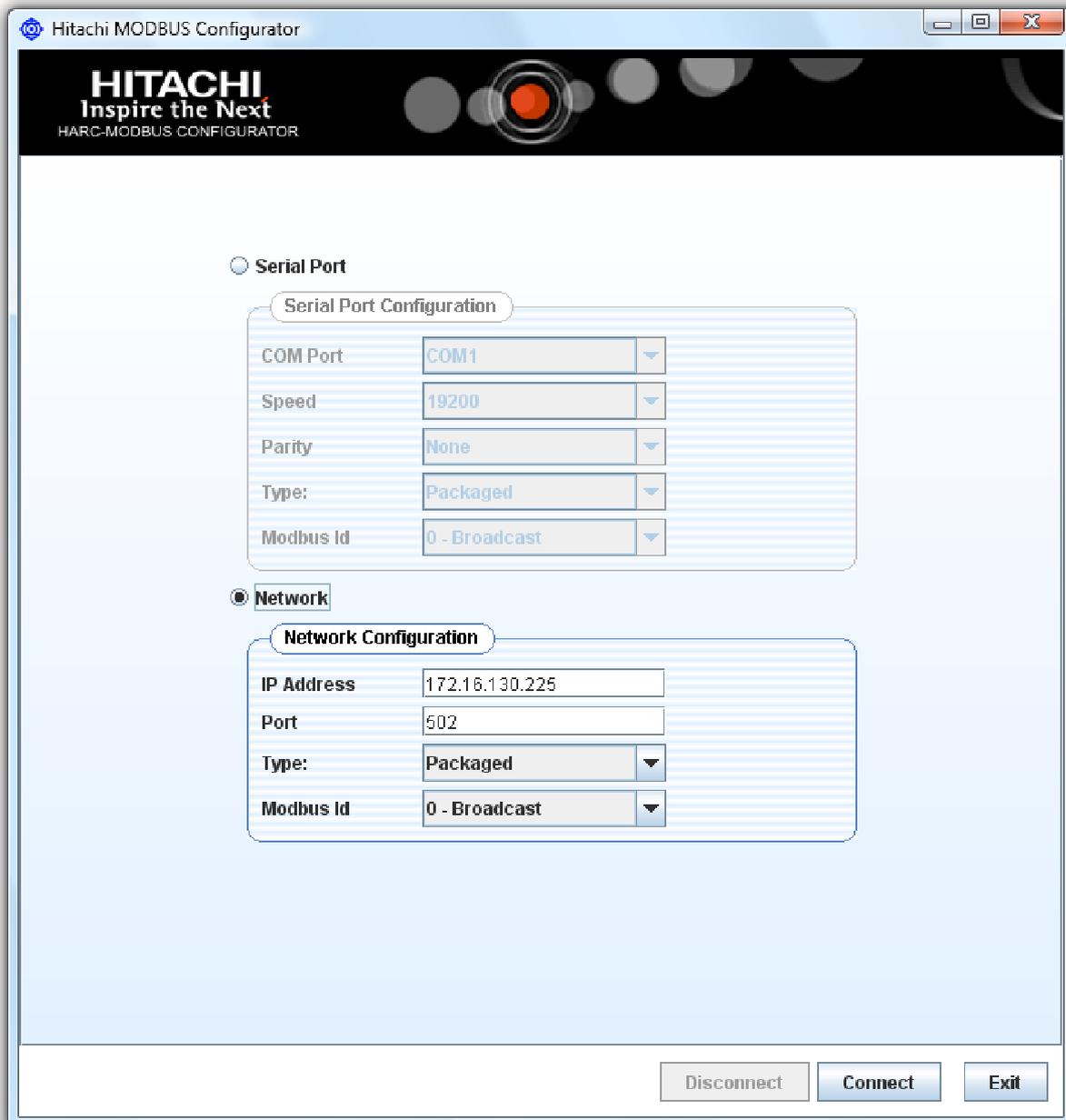
PAGE 3 / 7

When Network Connection is selected, it must be configured the following options:

- **IP Address:** address of HC-A32MB.
- **Port:** port address of HC-A32MB, by default, uses the Modbus port 502.
- **Type:** H-LINK units type, Packaged or Chiller.
- **Modbus ID:** identifier of HC-A32MB. On 0 use broadcast communication.

NOTE

Depending on gateway the address of broadcast will not work.



HITACHI

Distributed to C Areas:

All Areas		The middle East		
Europe	⊙	Southeast Asia		
Australia		Africa		
Others ()

TECHNICAL BULLETIN

SUBJECT
HC-A32MB Configurator software uploaded to HAPE
WEB

DATE: NOV. 09

PAGE 4 / 7

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.

Hitachi MODBUS Configurator

HITACHI
Inspire the Next
HARC-MODBUS CONFIGURATOR

Configure Monitor

Device Information

Type: HARC-MODBUS
Firmware Version: 1.0.0.001
Master Device: Master (SW7 #1)
Refresh by Event: Event (SW7 #2)

Unit Configuration

Id	Ou	Iu
0	-	-
1	-	-
2	-	-
3	-	-
4	-	-
5	-	-
6	-	-
7	-	-
8	-	-

Save

Disconnect Connect Exit

Save Button stores the Installation configuration.

HITACHI

Distributed to C Areas:			
All Areas	<input type="checkbox"/>	The middle East	<input type="checkbox"/>
Europe	<input checked="" type="checkbox"/>	Southeast Asia	<input type="checkbox"/>
Australia	<input type="checkbox"/>	Africa	<input type="checkbox"/>
Others ()			

TECHNICAL BULLETIN

SUBJECT
HC-A32MB Configurator software uploaded to HAPE WEB

DATE: NOV. 09
 PAGE 5 / 7

Finally is it possible to read and write values using the **Monitor** tab.



It is only possible to write on Set fields. After double click, that field becomes editable. When value is set, clicking on **Save** Button, change will be submitted.

Refresh button reloads table information.

HITACHI

Distributed to C Areas:

All Areas	<input type="checkbox"/>	The middle East	<input type="checkbox"/>
Europe	<input checked="" type="checkbox"/>	Southeast Asia	<input type="checkbox"/>
Australia	<input type="checkbox"/>	Africa	<input type="checkbox"/>
Others ()	<input type="checkbox"/>		<input type="checkbox"/>

TECHNICAL BULLETIN

SUBJECT
HC-A32MB Configurator software uploaded to HAPE WEB

DATE: NOV. 09

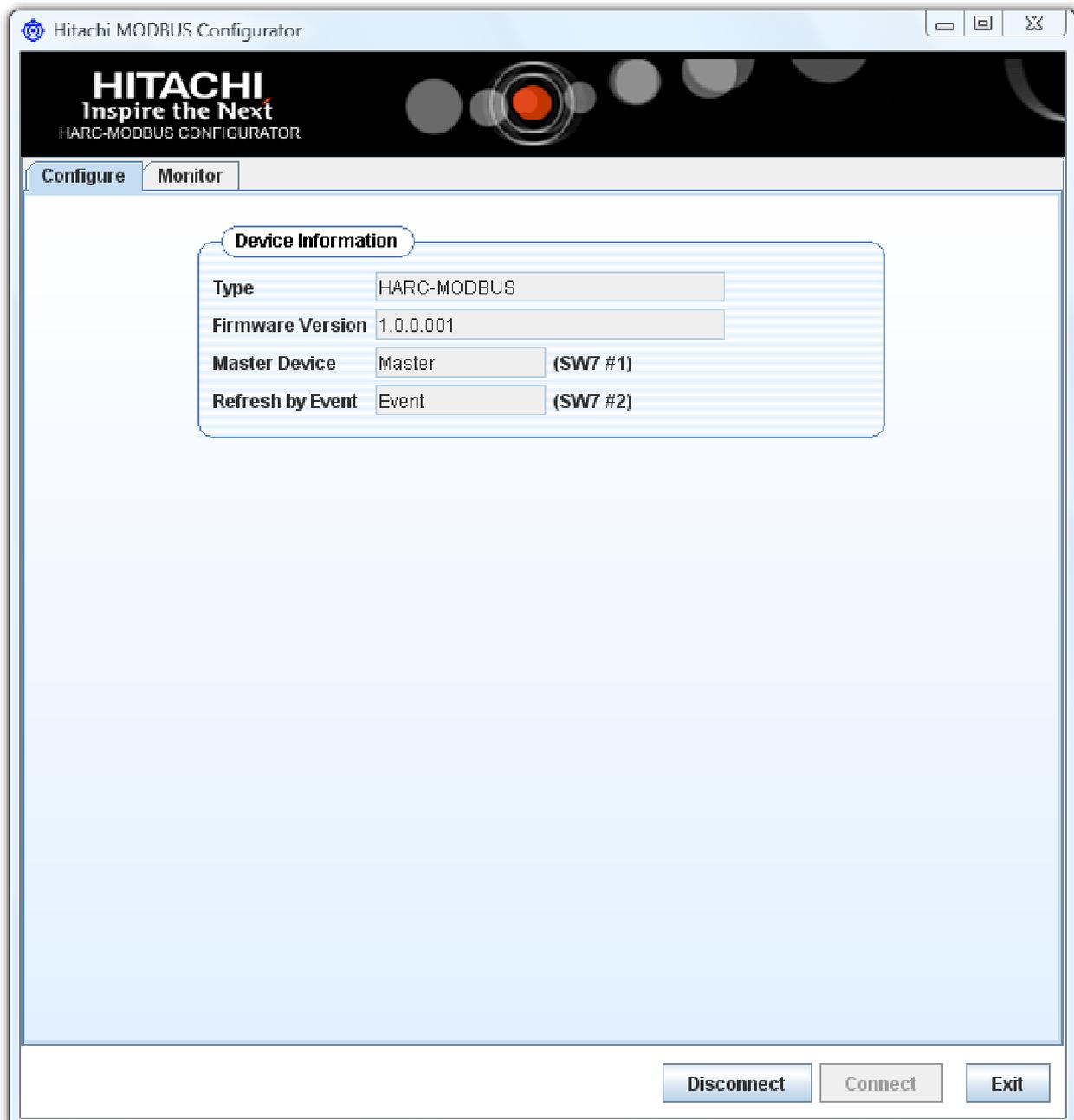
PAGE 6 / 7

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.



Save Button stores the Installation configuration.

HITACHI

Distributed to C Areas:

All Areas		The middle East	
Europe	⊙	Southeast Asia	
Australia		Africa	
Others ()			

TECHNICAL BULLETIN

SUBJECT
HC-A32MB Configurator software uploaded to HAPE WEB

DATE: NOV. 09

PAGE 7 / 7

Finally is it possible to read and write values using the **Monitor** tab.

	0	1	2	3	4	5	6	7
Exist	-	-	-	-	-	-	-	-
Chiller Add	-	-	-	-	-	-	-	-
Set ON/Off	-	-	-	-	-	-	-	-
Set Mode	-	-	-	-	-	-	-	-
Set Temp Cool	-	-	-	-	-	-	-	-
Set Temp Heat	-	-	-	-	-	-	-	-
Central	-	-	-	-	-	-	-	-
Read On/Off	-	-	-	-	-	-	-	-
Read Mode	-	-	-	-	-	-	-	-
Read Temp Cool	-	-	-	-	-	-	-	-
Read Temp Heat	-	-	-	-	-	-	-	-
CEL	-	-	-	-	-	-	-	-
COL	-	-	-	-	-	-	-	-
Tambient	-	-	-	-	-	-	-	-
Oper Condition	-	-	-	-	-	-	-	-
Alarm Chiller	-	-	-	-	-	-	-	-
Alarm Cycle 1	-	-	-	-	-	-	-	-
Alarm Cycle 2	-	-	-	-	-	-	-	-
Alarm Cycle 3	-	-	-	-	-	-	-	-

It is only possible to write on Set fields. After double click, that field becomes editable. When value is set, clicking on **Save** Button, change will be submitted.

Refresh button reloads table information.