

# OWNERS MANUAL



## OPERATING YOUR BRIVIS NC-4 NETWORKER WALL CONTROL

### Networker Components

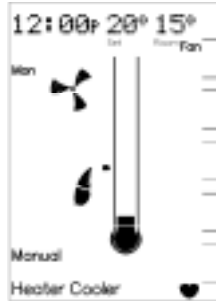


FIG 1

#### The **On/Off** Button

This is the button to turn the Networker ON or OFF.

#### The **Function** Button. (*Fn*)

The function button, when used in conjunction with **buttons 1, 2, 4 & 5** allows the user to perform specialised functions such as message repeating and Networker locking.

#### The **Mode** Button.

This button allows you to switch between the available operating modes of the attached reverse-cycle air conditioner appliance.

These include operating as a heater only (heating), operating as a cooler only (cooling) or operating as both a heater and cooler (heating and cooling with auto-changeover).

#### The **Fixed Control Buttons.**

These two buttons have their permanent functions written on them.

**AUTO** Switches the Networker between manual operation and Auto Program operation.

**PROG** This button is used to set the Networker's Auto Program settings.

#### The **Variable Control Buttons.**

These buttons (numbered 1-5) have a function when there is text beside the actual button on the display screen.

#### The **Display Screen.**

Provides you with information about the system. The Screen shows the current time via a **Digital Clock** in the top left corner, the **Day of the Week** on the left-hand side, and the operating mode selected at the bottom.

Buttons 1, 2, 4 & 5 have additional features when used in conjunction with the function button, which is detailed later.

#### The **Rotary Dial.**

This dial is used to alter various settings.

The display will also show scrolling messages across the top of the screen, which can display some of the unit's operational states.

### Setting the Time & Day



FIG 2

To set the Time and/or Day the Networker must be turned OFF using the On/Off button.

- Press the **Clock** button (**Key 5** button) and the screen will display the message "Clock setting mode", and then the Digital Clock will flash.
- Use the **Rotary Dial** to select the right time.
- To set the day press the **Day** button (**Key 1** button) until the correct day of the week appears on the left of the screen, e.g. "Mon".
- Press the **Clock** button (**Key 5** button) again to save your new settings.

### Appliance Operating Symbols

When the Networker is switched on certain operating symbols appear describing the operation of the air-conditioner appliance.

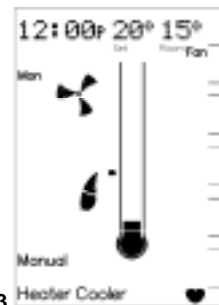


FIG 3

- When the Networker switches ON the attached air-conditioner appliance to HEAT, a flame symbol will appear on the screen.

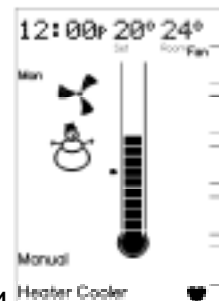


FIG 4

- When the Networker switches ON the attached air-conditioner appliance to COOL, a snowman symbol will appear on the screen.
- In both cases the fan symbol will also appear on the display and appears rotating when the fan of the attached air-conditioner appliance is switched on.

**Note:** that a flashing flame or snowman symbol indicates that the compressor within the air-conditioner appliance is yet to switch ON..

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**Note:** that a flashing fan symbol indicates that the fan within the air-conditioner appliance is yet to switch ON.

## General Operating Symbols

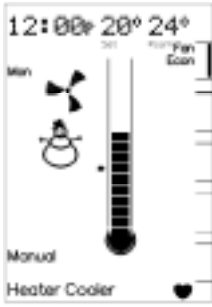


FIG 5

- The thermometer on the display registers the current room temperature with the small marker beside it indicating the temperature that the heating/cooling system is currently set to maintain.
- The bar adjacent to the Key 1 button is displayed when continuous fan operation has been enabled using the Key 1 button.
- The Econ symbol is displayed when economy operation has been enabled using the combination of the Function button immediately followed by the Key 4 button

**Note:** that the actual room temperature appears in the top right of the display screen.

**Note:** that “continuous” fan operation results in the fan being switched on all the time to allow continuous circulation of air.

**Note:** that the economy operation is only available for reverse-cycle air-conditioning systems.

## Manual Operation

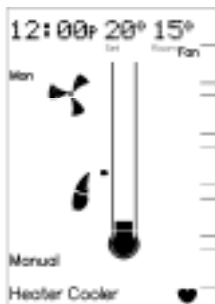


FIG 6

- Turn the Networker ON and press the Auto button until 'Manual' appears near the bottom left-hand corner of the screen. The Set Temperature will now appear at the top of the screen with the current room temperature still visible in the top right of the screen.
- The Set Temperature is the temperature the air-conditioning system is set to maintain. To alter it use the Rotary Dial to select the temperature required.
- Fan operation can be toggled between automatic and continuous operation using the Key 1 button.
- Where applicable, economy operation can be toggled on and off using the combination of the Function button followed by the Key 4 button.

Where applicable the mode of operation can be cycled between heat only, cool only and heating/cooling operation using the Mode button.

**Note:** that the Networker limits the Set Temperature to a maximum of 30°C and a minimum of 8°C. If the minimum is exceeded the air-conditioning system is switched off and the Set Temperature indicated as '—'.

**Note:** that the Networker remembers your last settings, and goes back to them the next time you select manual operation.

## Auto Program Operation

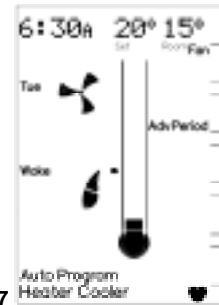


FIG 7

In Auto Program mode the Networker allows you to preset your air-conditioner to switch ON or OFF when you wake, leave, return and just before you sleep. Settings that can be defined include:

- The start time for the period.
- The set temperature to be maintained.
- Automatic or continuous fan operation.
- The Mode of operation (where applicable).
- Economy operation (where applicable).

In Auto Program mode the Networker has a pre-set Auto-Program for the entire week the settings of which are defined in the table below.

### Beginning Auto Program Operation

If the pre-set Auto-Program settings suit your lifestyle then all you need to do is run the system in Auto Program mode by following these simple steps:

- Use the On/Off button to turn the Networker ON.
- Use the Auto button until 'Auto Program' appears on the display screen.

### Temporarily Overriding the Auto-Program Settings

If these pre-set Auto-Program settings do not suit your lifestyle, you may want to temporarily override them by simply using the Networker as you would under manual operation, namely:

- To alter the Set Temperature use the Rotary Dial to select the temperature required.
- To alter fan operation use the Key 1 button to toggle between automatic and continuous operation.
- To alter the economy setting use the combination of the Function button followed by the Key 4 button to toggle the economy operation on and off (where applicable).
- To alter the operating mode use the Mode button to cycle between heat only, cool only and heating/cooling operation (where applicable).

Period	Description	Temperature	Fan	Economy	Mode
Wake	Define the time and settings to operate your system before you get up in the morning.	20°C	AUTO	OFF	HEAT/COOL
Leave	Define the time and settings to operate your system when you have left for the day.	-- (OFF)	AUTO	OFF	HEAT/COOL
Return	Define the time and settings to operate your system just before you get home.	20°C	AUTO	OFF	HEAT/COOL
Sleep	Define the time and settings to operate your system at night.	-- (OFF)	AUTO	OFF	HEAT/COOL

The word 'Temporary' will flash at the bottom of the display screen until the current period ends.

The 'Advance Period' button (Key 2 button) has now become the 'Cancel' button. This button can be used to return the Networker to the settings defined for the current time period

**Note:** that the Networker will revert to the settings defined for the next period after the current period ends.

### Advancing Time Period

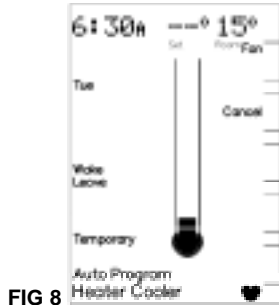


FIG 8

If the settings defined by the current time period do not suit your lifestyle, you may want to use the settings defined by the next time period. In this case the 'Advance Period' button (Key 2 button) can be used to operate the system using the settings defined by the next time period.

The word 'Temporary' will flash at the bottom of the display screen along with the time period advanced to being displayed until the current time period ends.

The 'Advance Period' button (Key 2 button) has now become the 'Cancel' button. This button can be used to return the Networker to the settings defined for the current time period

### Permanently Changing the Auto-Program Settings



FIG 9

If your lifestyle doesn't match the pre-set Auto-Program you can change the settings to your requirements by pressing the Prog button. After this is done the words 'Auto Program' are flashed on the display screen to indicate that the Auto-Program settings can be altered.

When changing the settings the Networker combines all the weekdays into one block and both days of the weekend into another block, which are listed on the left – hand side of the screen. To toggle the block that you want to change the settings for press the Day button (Key 1 button).

To select the time period you want to change press the Period button (Key 2 button) until the required time period is displayed.

The combination of the Function button followed by the Key 1 button toggles the operation of the Key 1 button between selecting:

- The required block of days to program, and
- Automatic or continuous fan operation.

**Note:** that when selecting automatic or continuous fan operation ensure that the word 'Fan' is next to the Key 1 button.

The manufacturer reserves the right to discontinue or change specifications or designs at any time without notice and without incurring obligations.

The 'Time/Temp' button can be used to toggle the actual setting the Rotary Dial alters, namely the time period Set Time or Set Temperature. The setting that is flashing is the one that can be altered by the Rotary Dial.

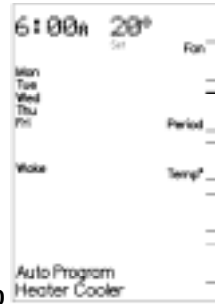


FIG 10

With the block of days and time period to program selected you can now program the actual settings, namely:

- To alter the Set Time use the Rotary Dial to select the time required when the Set Time is flashing.
- To alter the Set Temperature use the Rotary Dial to select the temperature required when the Set Temperature is flashing.
- To alter fan operation use the Key 1 button to toggle between automatic and continuous operation when the 'Fan' word is displayed.
- To alter the economy setting use the combination of the Function button immediately followed by the Key 4 button to toggle the economy operation on and off (where applicable).
- To alter the operating mode use the Mode button to cycle between heat only, cool only and heating/cooling operation (where applicable).
- Once all settings have been defined save the new settings by pressing the Prog button.

**Note:** that selecting a Set Temperature of (--) will turn the air-conditioner OFF for that time period.

### Operating the Fan Only

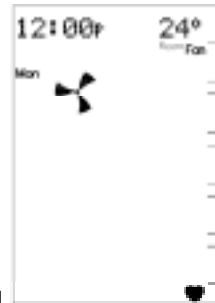


FIG 11

To simply circulate the air in the house, the fan can be made to run continuously.

With the Networker switched OFF press the Fan button (Key 1 button). After a small delay a small rotating fan symbol will appear and air should begin circulating within the ductwork of your system.

To switch the fan OFF simply press the Fan button (Key 1 button).

### Coded Messages

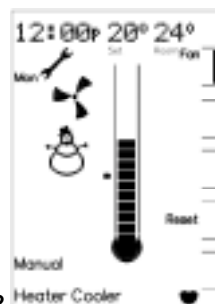


FIG 12

While the Networker is operating your system, it is also monitoring and controlling every aspect of the system's performance.

If anything unusual occurs, the Networker will display a message stating "Air-Conditioner Fault – R01 Code#?? for assistance call 1300 652 349" across the top of the screen. There are two parts to the message: the R01 number designates which appliance has the fault, and the Code#?? relates to the type of fault. The screen will also display the spanner symbol.

**Note:** Whenever such a message appears, it is a good idea to write it down before doing anything else.

This code contains information that will enable Bravis to deal quickly and easily with anything that requires their attention. With many of them you will be asked to contact Bravis Service on 1300 BRIVIS and pass on the message, the model and type of appliance.

### Message repeating

Push the Function button followed by the Key 1 button quickly after to repeat a message.

### Resetting

If something has interrupted the unit's operation, the word Reset could appear beside the Key 4 button while a coded message is scrolling across the top of the display.

When this is the case the Key 4 button can be used to re-start the unit. If the unit does not resume normal operation or the error message re-appears, contact Bravis Service.

### Locking/Unlocking the Networker

To prevent any unwanted alterations being made to the operational settings, the Networker can be locked via a 4-digit PIN number. In the case of dual networkers, if one is locked the other is also locked. There can be up to 3 PIN numbers stored into the controller, which allows the Networker to be locked or unlocked by various users. If dual networkers are installed, the user PIN numbers can only be set from the Master Networker. The Slave Networker can only lock and unlock the system and cannot access the PIN numbers.

### Setting PIN Numbers



FIG 13

Push the Function button then the Key 2 button immediately after. The screen will then display "Enter Your PIN number to lock the system". Do not enter numbers at this stage, please continue to the next step.

- Push the Mode button once. The screen will now display "User PIN number reset – Enter master PIN number". Do not enter numbers at this stage, please continue to the next step.
- Push the Mode button once again. The screen will now display the message "User PIN number 1 alteration – Enter current PIN". If this is the first time for setting the PIN numbers the current PIN will be "1111". If the PIN has been previously altered then enter your current PIN.
- The screen will then display the message, "Enter the new PIN".
- Enter your new 4-digit PIN number using a combination of Keys 1-5. The screen will now display, "Repeat the entry of the new PIN".
- Providing you re-enter the new PIN correctly the screen will now display "Valid PIN – PIN altered".

- Repeat this process to change the other PINs if necessary. Remembering that all PINs are set as "1111" by default. Pushing the Mode button, while you're at the user PIN 1 alteration screen will give access to set user PIN numbers 2 & 3.
- If an incorrect number is entered press the Auto button to clear all digits, then re-enter your user PIN number.
- To exit this area at any time simply press the On/Off button.

### Locking the Networker

- Push the Function button then the Key 2 button immediately after. The screen will now display "Enter Your PIN number to lock the system".
- Enter your current user PIN number to lock the Networker. The screen will now display "System locked out!"
- If an incorrect number is entered press the Auto button to clear all digits, then re-enter your PIN number.

### Unlocking the Networker

- Push the Function button then the Key 2 button immediately after. The screen will now display "Enter Your PIN number to unlock the system".
- Enter your current user PIN number to unlock the Networker. The screen will now display the message "System unlocked!"
- If an incorrect number is entered press the Auto button to clear all digits, then re-enter your PIN number.

**Note:** If an invalid PIN is entered, the message "Invalid PIN entered – Try again" will scroll across the screen. The user has three attempts at entering a valid PIN number. On the third failed attempt the message "Invalid PIN entered!" will be displayed. At this point the Networker will abort the PIN entry screen, and resume the state that it was in prior to attempting to enter the PIN. You can immediately retry entering the PIN numbers, or if you cannot remember the PIN numbers, call Bravis Service on 1300 BRIVIS.

### Dual Networker Operation (Where Applicable)

It is possible to have two networkers connected to the system. The two networkers will operate together, one will be configured as a Master and the other a Slave, and the settings for the system will be common on both controllers.

The benefit of having two controllers is the convenience of making adjustments to the settings as an adjustment made on one of the networkers is immediately reflected on the other Networker. When locking one of the networkers the other one will also be locked, and the system can be unlocked at either Networker.

By default the Master Networker senses room temperature as is indicated by the flashing heart symbol.

**Note:** that only the Master control has the ability to set the clock time, this is one way of identifying which controller is the Master – Look for the word 'clock' beside the Key 5 button while the system is in the OFF position.