








Brivis Networker Simple Instructions inc Error Messages



The Networker screen will illuminate when any key is pressed and will stay lit for approximately 30 seconds.

Note: If you have dual Networkers installed, only the Master control has the ability to set the clock time. The Master control can be identified by the work “clock” beside Key 5 while the Networkers are in the off position.

| Symbols | Description |
|---|---|
|  | <i>Snowman</i> icon indicates the refrigeration compressor is running. A flashing <i>Snowman</i> icon indicates the compressor is in a safeguard time off period. |
|  | Rotating <i>Fan</i> icon indicates unit's fan is on. A flashing <i>Fan</i> icon indicates the fan is in a delay period e.g. Pre-wet. |
|  | <i>Flame</i> icon indicates Gas burners are currently lit. A flashing <i>Flame</i> icon indicates the heater is preparing for ignition. |
|  | The two alternating <i>drop</i> icons indicates that the cooler pump is on. |
|  | Flashing <i>Padlock</i> icon indicates that the Networker is locked. |
|  | Flashing <i>Spanner</i> icon indicates service attention is required on the unit. |
|  | Flashing <i>Heart</i> icon indicates that the room temperature is being sensed from the Networker. |

Heater operation

The Networker can operate in either auto or manual modes. In auto mode, you set your own temperature, then leave the rest to the Networker. It will maintain the level you have chosen, automatically.

The Networker also allows you to preset times to turn the heater on and off. This means that it can turn the heater off after you've gone to sleep, and on before you get home. The Networker is designed with an easy-to-use rotary dial and an easy-to-read digital screen. The Networker can also be used to operate a cooler during warmer weather.

Note: The Networker runs using a small amount of power from the heater. It does not require batteries.

Setting the Day and Time

- To set the Time and/or Day the Networker must be turned OFF. Press the ON/OFF button to turn the Networker OFF.
- Press the key next to the word Clock on the screen and the digital clock will start flashing.
- Use the Rotary Dial to select the correct time.
- To set the Day press the key next to the word Day on the screen until the correct day of the week appears.
- Press the key next to the word Clock again to save the changes.

The Auto Program

In Automatic, the Networker has a pre-set "Auto-Program" which is already entered into the Networker's memory (see below).

This "Auto-Program" covers the entire week. It is based on average operation and has the following combination of pre-programmed time periods, temperatures and, if available, zone dampers:

The Periods are Wake, Leave, Return, Presleep & Sleep.

The "Wake" setting is usually used to start the system and pre-warm the house before everyone gets up.

The "Leave" setting can turn it off, when the family has left for the day.

The "Return" setting is then used to switch the system back on again just before everyone gets home.

The "Presleep" setting can be used to slightly increase, or decrease the "Set" temperature, at the same time every night. Or if you have zone dampers, "Presleep" can be used to switch them ON or OFF, e.g. to pre-warm the bedrooms before going to sleep.

The "Sleep" setting can turn it off after everyone is asleep. It is recommended that the system be set to turn OFF (- -) overnight, to save energy and lower your gas bill.

Operating the Auto Program

Now, if you are happy with these pre-set "Auto-Program" settings, then all you need to do is to run the system in automatic by following these simple steps:

If you have more than one type of appliance, then with the Networker turned OFF, just press the MODE control key until it selects "Heater".

Next, turn the Networker ON and press the AUTO key until "Auto-Program" appears near the bottom left-hand corner of the screen.

Overriding the Auto Program Settings

If you want to temporarily override the Auto-Program settings, the Networker provides two ways of doing this. Both of these changes are temporary, so the word "Temporary" will flash while they are operating.

The first method is to press the key that has the word "Adv.Period" next to it on the screen, and jump into the next "Auto-Program" period immediately. (e.g. if you come home earlier than usual, use this to move out of "Leave" and into "Return").

Whenever you do this, the screen changes to read "Cancel/Adv.Period" so pressing the key beside it will take you back to the period you were in.

The Networker will return to its Auto-Program as soon as it reaches the next period.

The second method is to use the ROTARY DIAL and increase or decrease the current temperature setting.

With this method, the word "Adv.Period" will change to "Cancel" on the screen. Pressing the key beside it will return you to the Auto-Program.

(For those with zone dampers, altering the zone setting will also result in a "Temporary" change).

Changing the Auto Program Settings

If your lifestyle doesn't match the pre-set AUTO-PROGRAM, those settings can be changed very easily. If you wish, you can change the time or the temperature for any period in four simple steps.

The first will take you into programming mode. If you are not already in heating mode, press the MODE key until the word "Heater" appears.

Then press the PROG key and you'll notice the word "program" and the time will begin to flash.

Selecting the Days to be changed

For your convenience, the Networker combines all the weekdays into one block and both days of the weekend into another block.

- Press the key next to the word DAY on the screen to select which block you wish to program.

- On the left of the screen, the weekdays are listed as a block. Just below them will be the weekend block.

Selecting the Period to be changed

Press the key next to the word PERIOD on the screen to select the period you wish to change.

It starts with the WAKE period so the word "Wake" appears on the left of the screen. Each time the key is pressed the program will move to the next period and it's title will appear in the same part of the screen.

From here, you can change either the Set Time or the Set Temperature, or the

zone dampers for a particular period.

Changing the Set Temperature

Start by pressing the key next to the word TIME / TEMP on the screen to select "Temp^o". You'll know you have selected it when the "Set" Temperature starts to flash.

To change the temperatures turn the ROTARY DIAL until the "Set" temperature displays the temperature you require.

Note that selecting a "Set" Temperature of (- -) will turn the heater OFF for that period.

Changing the Set Time

Press the key next to the word TIME / TEMP on the screen to switch between Set Time and Set Temperature. You'll know you have selected Time when the time begins to flash.

Now just turn the ROTARY DIAL until the digital clock is showing the time you require

Changing the Zone Damper Program

The last two keys [4 & 5] are for zone dampers if you have them. If you have zones A & B it will appear next to the 4th key. If you have zones C & D it will appear next to the 5th key (see diagram below).

If you wish to change the zone damper settings for any program period, you simply use those keys to select the zone dampers you want to operate during that period.

Manual Mode

- Turn the Networker OFF
- Press the MODE key to select "Heater".
- Turn the Networker ON
- Press the Auto key until the word "Manual" appears on the screen.
- Use the Rotary Dial to alter the Set Temperature to above the Room Temperature.
- To turn the system OFF press the ON/OFF button.

Note: To change the zone settings use the Zone keys (4 & 5) to select the zone you wish to operate.

When the system is operating, the screen displays additional information that tells you exactly what is happening.

There is a Thermometer in the middle of the screen which displays the current

"Room" temperature.

The "Room" temperature is also written in the top right corner of the screen.

There is a Marker beside the thermometer which shows the "Set" temperature the heater is currently programmed to maintain.

A small Flame Symbol appears on the screen whenever the heater is turned on by the Networker. (It also flashes at the end of the heating cycle when the fan pushes the last of the warmed air into the house).

A Fan Symbol flashes as the system is preheating itself. It stops flashing and begins to rotate when warm air starts flowing through the ducts.

Both the Fan and Flame symbols disappear when the heater is not operating.

Zoning

On Networker (version 3) the zone's symbols have been redesigned to effectively show the dual Networker zoning operation. The way to understand these symbols is explained below.

An arrow next to a zone means that the zone has been selected for use by the customer or as part of the auto program.

If there is no arrow present, the zone has been deselected either manually by the customer, or by the auto program in the Networker.

If the arrow is solid, this means the zone is currently open and receiving airflow from the unit.

In heating mode, if the arrow is flashing, this means that the room temperature registered on the Networker assigned to this zone, is at or above the set temperature.

C & D will appear next to Key 5 if you have three or four zones. A & B will appear next to Key 4 if you have two or one zones.

Cooler Operation

Refer to Heating operation to Set the Day and Time.

Automatic Operation

In auto mode the Networker automatically turns the pump ON or OFF as required and varies the fan speed to maintain your selected 'comfort level'.

To set 'Auto' operation just follow these steps.

- Use the On/Off button to turn the Networker ON.
- Press the Auto key until 'Auto' appears on the screen (if it's not already in 'Auto'.
- The Set Comfort Level Indicator' in the middle of the screen now indicates the Cooler's current comfort level setting.
- Use the Rotary Dial to set the Comfort Level you desire.
- Turn the indicator **up** to have a cooler comfort level and **down** to have a warmer comfort level.
- During the Pre-Wet the message "Pre-Wetting cooler pads – Please Wait!" will scroll across the top of the display.

Note: In Auto mode the word 'Pump' will disappear after the Pre-Wet time is complete as the fan symbol begins to rotate. This does not mean that the pump has stopped working.

Manual Operation

Manual operation allows you to control the fan, its speed and the pump manually.

To set 'Manual' operation, just follow these steps:

- Use the ON/OFF button to turn the Networker ON.
 - Press the Auto key to select 'Manual'.
 - Press Key 1 & 2 (Fan and Pump). When the Pump is ON water droplets will appear on the screen.
- When the Fan is ON the picture of the Fan and the Indicator bar will appear on the screen.

Note: The Fan will not operate immediately as the Cooler must first complete its Automatic Pre-Wet.

- Use the Rotary Dial to set the fan speed level you desire.

Note: The central column display is now a Fan Speed Indicator and will show the fan speed level you have selected. This column display moved up to increase the fan speed and down to decrease it.

Note: On days of high humidity the fan may be operated without the pump.

- If you want ventilation only, press the Key 2 (PUMP) to turn the pump OFF. The water droplets will now disappear.

Benefits of using AUTO mode in preference to MANUAL mode

- Power and water consumption varies in relation to the chosen comfort level.

This comfort level cannot be as easily maintained in manual mode.

- The unit operates only when it is required.
- Enables a set comfort level to be maintained automatically as the outdoor temperature conditions change.
- Allows you to pre-set the cooler to turn ON early and not let the house build up heat.
- The outlet airflow noise is kept to a minimum, as the fan speed is only as fast as required to maintain the set comfort level. This slower speed also results in more efficient saturation of the cooler filter pads, and a cooler outlet air temperature.

Changing the screen display

The Networker has the facility to change the time displays, from 12 hour to 24 hour, and all temperature displays, from degrees Celsius to Fahrenheit.

Additionally, the Networkers Auto Programming for heating and refrigerative cooling can also be changed to omit the PRESLEEP period, or change the programming from blocks of week and weekend (grouped) days, to programming individual days.

To access the LCD screen display set-up:

- First turn the Networker OFF.
- Next press the 5th key (CLOCK) to enter the "SET TIME AND DAY" mode.
- Then press the 4th key and hold in for 3 - 5 seconds until the LCD screen changes.
- The new screen will prompt you to change the DAY GROUP selection, and the DAY blocks will be flashing alternatively, to indicate the current setting, i.e. groups of week days and weekend days.

[a] To change the auto programming setting from "Grouped" to "Individual" DAYS (Heat & Refrig modes), press the key next to the word DAY, and the LCD display will indicate the new setting:-

Grouped Day Programming - Week & Weekend days "flashing".

Individual Day Programming - all days "solid" display.

[b] To change the auto program to include or exclude the PRESLEEP period (Heat & Refrig modes), press the key next to the word PERIOD to alternate between the selection ON and OFF, (when PRESLEEP is not displayed in this screen set -up, then the selection is OFF).

[c] To change the TEMPERATURE display between Celsius and Fahrenheit, press the key next to the word TEMP0 to alternate between the two settings displayed at the top of the screen.

[d] To change the CLOCK time between 12 hour and 24 hour display, press the 5th key (CLOCK) to alternate between the two settings displayed at the top left of the screen.

When you have completed your changes press the ON/OFF button to save your changes.

Operating Add-on Air Conditioning.

If your Brivis central heating system has an add-on, refrigerated airconditioning unit attached, the Networker operates in exactly the same way for the airconditioning as it does for central heating.

To operate add-on airconditioning, just follow the previous heating instructions (depending on the version of Networker) and note these few points of difference:

- Press the mode key to select "Refrig".
- A Fan symbol is used on the screen to show the airconditioning is operating.
- To operate the fan only, follow the same steps mentioned previously but use the MODE key to select "Refrig".
- To operate the Auto Program follow the same steps as previously mentioned but use the MODE key to select "Refrig".
- The relationship between "Room" Temperature and the "Set" Temperature is reversed.
- The airconditioner will operate to bring the "Room" temperature down to the "Set" Temperature not up to it.

Note: The Networker has a delay period of 5 minutes before the refrige unit will operate.

Coded Messages (MPS models only)

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 spanner symbol.

- Press the FUNCTION button followed by the 1 key and a message stating "Heater Fault - E01 Code#?? For assistance call 1800 335 094" will scroll across the top of the Screen.
- 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

Brivis to deal quickly and easily with anything that requires their attention. With many of them you will be asked to contact Brivis Service and pass on the message, the model and type of appliance.

Message repeating

- Push the FUNCTION button then Key 1 quickly after to repeat a message.

Note: If no message repeats it means either the button combination was incorrect or the event has passed. The messages that may be displayed could be advising of appliance operations or faults.

Resetting.

MPS Models:

If something has interrupted the units operation the word Reset could appear beside **Key 4**. Press **Key 4** to re-start the unit. If the unit does not resume normal operation or the error message re-appears, contact Brivis Service. If the unit is still operating but the Networker is showing an error message with the service symbol try pushing the reset **Key 4** to clear the fault, if the fault persists contact Brivis Service. If the unit is not in operation, and any other error message appears, contact Brivis Service.

Classic Models:

If your Networker display screen indicates normal operation i.e. solid flame symbol and rotating fan symbol, for more than 8 minutes without any actual operation of the heater (no fan or heat), then something minor may have interrupted the units operation.

To reset the unit:

- Use the On/Off button to turn the Networker OFF and then wait for 2 minutes before turning the Networker back ON.

This may reset the unit and restore it back to normal operation. If not, you can try turning OFF the power supply to the unit at the powerpoint located adjacent to the heater, Leave this off for approximately 1 minute and then turn the power back ON. If normal operation still does not resume call Brivis Service and inform about the nature of your problem, the model and the type of appliance.

The following is a list of faults customers can rectify safely. If the faults continue it is advisable that you contact Brivis service.

Error code 40, 41 & 42

These errors indicate an overheat condition has occurred. The heaters fan will be forced to operate at maximum speed.

Check List:

- Check there are sufficient outlets open on the duct system.
- Check that the floor/ceiling register and baffle is fully open and not restricting air movement.
- Check the return air filter (if fitted) is sized correctly and is clean and no obstructions have been placed in front of the return air intake.

Error code 46 & 55

Error 46 indicates that the unit has failed to light within the specified time.

Checklist:

- Check the gas supply is turned ON at the meter, and the appliance gas cock.
- Check if other gas appliances are operating such as Gas Cooker and Hot Water Service.
- Check the gas cylinders have gas, and the cylinder valve is open (LPG only).
- Check that there is gas supply to your home. Contact your gas provider to confirm this. There may be works in your area or a problem with the supply.
- The unit may require a general service.

Error code 50

Error 50 indicates the unit has locked out after 4 ignition attempts error 46. This error can be reset by using the reset button to restart the heater, but the unit will probably lockout again if the condition has not been rectified.

Check List:

- Refer checklist for error 46.

Error code 56

Error 56 indicates a lockout has occurred, and the heater has since been powered up again. This error appears following power interruption ie power failure or power turned off at the power point. This error can reset by using the reset option to restart the heater.

Error code 61, 63, 64 & 67

Indicates the unit is not operating due to a malfunction or fault of the heaters N-G1/lo module. This error may be reset at the power supply. If the error continues to appear a service technician should attend.

Coded Messages - Evap Cooling

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

If anything unusual occurs, the Networker will display a spanner symbol and message stating "*Cooler Fault - E01 Code#?? for assistance call 1800 335 094*" across the top of the screen. There are two parts to the message, the *E01* number designates which appliance has the fault, and the *Code#??* relates to the type of fault. The message will repeat every minute while the error is current.

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 Brivis to deal quickly and easily with anything that requires their attention. With many codes you will be asked to contact Brivis Service on 1800 335 094 (or Fax 1800 655 465) and pass on the coded message, the model and type of appliance.

Resetting

If something has interrupted the units operation, the word Reset could appear beside **Key 4**.

- Press **Key 4** to re-start the unit. If the unit does not resume normal operation or the error message re-appears, contact Brivis Service. If the unit is still operating but the Networker is showing an error message with the service symbol:
- Try pushing the Reset Key 4 to clear the fault, If the fault persists contact Brivis Service. If the unit is not operating and any other error message appears, contact Brivis Service.

Locking the Networker

To prevent any unwanted alterations being made to the Heater's 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. 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 the PIN Numbers

- Press the *FUNCTION* button, followed immediately by *Key 2*. 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* key 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* key 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”.
- If an incorrect number is entered press the auto key to clear all digits, then re-enter your user PIN number.
- To exit this area at any time, just push the *ON/OFF* key.

To Lock the Networker

- Press the *FUNCTION* button, followed immediately by *Key 2*. 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 key to clear all digits, then re-enter your PIN number.
- A flashing padlock icon indicates that the networker is locked.

To Unlock the Networker

- Press the *FUNCTION* button followed immediately by *Key 2*. 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 key 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 return to its original state. You

will then need to repeat the process.

