

OPERATING INSTRUCTIONS

Wine Cabinets

©V1/2019



CyberChill Refrigeration

P.O. Box 7200, Baulkham Hills BC, NSW, 2153, Australia

Tel: 1300 072 000 | email: info@cyberchill.com.au | www.cyberchill.com.au

This page is intentionally left blank.

Content

General hazards	3
Electrical connection	3
Unpacking	3
Installation	4
Ventilation	4
Castors / Adjustable Legs / Leveling Feet	4
LAE Electronic controller display	5
Initial start-up	5
Inspection	6
Using your new piece of refrigeration equipment	6
Commissioning instructions	7
Red wine cabinet +5°C to +18°C	7
Drinking temperature of wine	8-9
Maintenance and cleaning	9
Condenser cleaning	10
Replacement of the door gasket	10
End of life disposable requirement	10
Fault finding	11
Alarm	12
LAE controller wiring diagram	13
Notes	14

All information is subject to change without prior notice.

General hazards

Do not let children operate, play and crawl in the wine cabinet. Before discarding your wine cabinet, unload the door and keep the shelves in the cabinet to ensure that children are not easy to crawl in the cabinet.

Do not use flammable liquids to clean parts, otherwise fire or explosion may occur.

Do not store or use gasoline and any flammable gases and liquids near any electrical appliances, otherwise fire or explosion may occur.

All moving parts of the refrigerator are suitably guarded, and the moving parts can only be accessed by using tools which should only be attempted by a qualified person.

Electrical connection

This product is supplied with a moulded plug which needs a suitable socket. This cabinet should not be used outside and should be used in a dry environment. The plug needs to be accessible once the equipment is placed in its final position. Should the plug need changing, this must be done by a qualified person.



Unpacking

Leave all packaging in place until the refrigerator is in its final position to avoid damage. When the cabinet is in its final position, carefully remove all packaging and check for damage. Any damage should be reported immediately to your dealer. Before connecting to the cabinet's power supply, please place the cabinet vertically for about 4 hours, which can reduce the refrigeration system failure probability caused by handling. All packaging should be carefully disposed of and recycled where possible.

Installation

The cabinet is very easy to move around as most precision products are supplied on castors. If for any reason the cabinet has to be laid down, it should always be laid on its back and not its side or front to avoid damage. When lowering or raising the cabinet extreme care should be taken as the casters can run away whilst lifting or lowering. A person should always be standing at the base of the cabinet whilst it is being lowered or raised. Cabinet should not be plugged in for at least 4 hours if it has been laid down or tipped during installation.

This product must be placed on a level floor to ensure the automatic door closing and correct draining of condensate. This is especially important with freezers.

Ventilation

Refrigeration equipment generates a lot of heat. A 2-door freezer cabinet for example gives off the same heat as a 3kW electric heater. Therefore, it is very important that the cabinet must be installed with sufficient space around it for ventilation and for maintenance access. Ventilation grills must not be blocked, or even partially blocked as this could affect the cabinet's performance and life span.

Castors / Adjustable Legs / Leveling Feet

Lock the two front castors once the cabinet is in its final position by pressing down the metal bar with your foot. This will stop the cabinet from moving when the door is opened and closed. The level on models fitted with castors can't be adjusted so a level floor should be provided. Models fitted with adjustable legs or leveling feet can be leveled by screwing the legs/feet in or out to the desired height.

Electronic Controller Display






LED	STATUS	FUNCTION	LED	STATUS	FUNCTION
	Light on	Compressor enabled		Light on	Controller faulty
	Light on	Defrost enabled		Light on	Humidifier enabled
	Light on	Fan Start	°C	Light on	Temperature unit
	Light on	Lamp ON	°F	Light on	Temperature unit
	Light on	Keyboard locked	%RH	Light on	Humidity unit

Initial start-up

Plug the molded plug into a suitable socket. In the boot state, press and hold the button for 3 seconds to close the controller, the display screen shows "--", and in the shutdown state, press the button once to boot. Press button once to turn on the light. Once the refrigerator starts up, the temperature of refrigerator will display. To turn it off during operation, press and hold button for 3 seconds to turn off the controller.

Inspection

After the initial start-up, the refrigerator begins to cool down to the preset temperature after a delay of 3 minutes. Check whether the temperature is lowering; listen inside and outside the cabinet to ensure that the fan is running smoothly to ensure that no displacement occurs during shipment. If time permits, the operation of refrigerator can be continuously observed until the preset temperature is reached and the condensation device is stopped. Preset temperature can be viewed by clicking  button and adjusted by  and  button.

Using Your New Piece of Refrigeration Equipment

Store sealed bottles.

Ensure stored products are evenly distributed on shelves.

Don't open the door of the cabinet when it is not necessary, because frequent opening and closing of door will affect the operation of the cabinet.

Don't cover the shelf with aluminum foil or other metals, which may affect air circulation.

If you decide to shut down the red wine cabinet for a period of time, please clean carefully and keep the door open to avoid condensation, mildew and bad odour.





Commissioning Instructions






Wine Cabinet Temperature +5°C to +18°C

Humidity: 60% to 85%



Temperature setting

Wine cabinets are designed to operate between +5°C and +18°C. Temperature and the humidity is set between 60% and 85%. Controller is pre-set before leaving the factory, and no further debugging is required.

After power-on, click the  button to turn on or off the illumination light at one time. If you need to check the temperature of the evaporator or condenser, you can press the  and  button and hold for 3 seconds at the same time to unlock, and then press and hold the  button for 6 seconds.

When adjusting the setting parameter temperature, you can press  button to enter in the unlocked state, then click the  button to adjust, then click the  button again to enter the humidity adjustment module, and then click the  and  button to adjust and change to meet the environmental conditions of installation site. (The highest temperature of red wine cabinet can be set at +18°C and the lowest is +5°C.) This temperature setting refers to stop working temperature and start refrigeration temperature will vary according to different conditions.

Defrosting

Precision wine cabinets are equipped with full-automatic defrosting system to ensure that the cooling system remains ice-free under normal conditions. If you need to turn on or off defrosting manually, you can press and hold the  and  button for more than 6 seconds at the same time to turn on or off defrosting, once the preset temperature reaches, it will automatically stop defrosting.

Drinking temperature of wine (for reference only)

French Wine

Alsace	10°C
Beaujolais	13°C
Bordeaux Sweet White Wine	6°C
Bordeaux Dry White Wine	8°C
Bordeaux Red Wine	17°C
Burgundy White Wine	11°C
Burgundy Red wine	18°C
Champagne	6°C
Jura	10°C
Languedoc-Roussillon	13°C
Provence Rose	12°C
Sava Wine	9°C
Loire Dry White	10°C
Loire Sweet White	7°C
Loire Red Wine	14°C
Rona Valley Wine	15°C
Southwest Weine	7°C
Southwest Red Wine	15°C

Australian Wine

Cabernet Franc	16°C
Cabernet Sauvignon	17°C
Chardonnay	10°C
Merlot	17°C
Moscate de Grano Menudo Wine	6°C
Pinot Noir	15°C
Nasavir Vintage White Wine	8°C
Semillon	8°C
Shiraz	18°C
Verdelho	7°C

Other Wine

California Wine	16°C
Chile Wine	15°C
Spanish Wine	17°C
Italian Wine	16°C

Maintenance

The cabinet is fully automatic and apart from cleaning needs very little maintenance. Interior and exterior should be cleaned with soap and water and no abrasives should be used as they will scratch and spoil the stainless-steel finish. Interior shelving and racking can be removed on most models for easy cleaning

Maintenance and cleaning

Before cleaning and maintenance, the cabinet should be unplugged from the power supply.

Door Gaskets should be cleaned with warm soapy water and inspected on a regular basis and if damaged they should be replaced. Cooking oils and harsh cleaning detergents will shorten the life of the gaskets and contact should be avoided.

Condenser cleaning

The cabinets use low maintenance condensers. All the heat removed from the cabinet is discharged into the room via the condenser which is similar to a car radiator. This must be kept clean so that the air can pass through it to remove the heat, if it becomes choked with dust the unit will over-heat and this can lead to poor cooling performance, increased energy consumption and premature mechanical failure. The condenser should be brushed with a soft brush to remove any dust deposited on the alloy fins. The frequency of this cleaning is determined by the amount of dust in the surrounding area but should be cleaned at least 4 times a year.

Replacement of the door gasket



Damaged door sealing edge can be easily replaced. When replacing, gently pull out it from sealing edge seat, push the new door sealing edge into the sealing edge seat, leave four corners and finally push in.

End of Life Disposable Requirements

Some parts of refrigerator may be harmful to the environment. All discarded device must be handled in accordance with national laws and regulations.

Fault Finding

In the event of cabinet fault/failure, please check the following:

1. Plug is in socket and power to the socket can be proven by plugging another appliance into the same socket or swapping the problem cabinet to a socket that is known to work.
2. The fuse in the plug is intact.
3. The condenser is clean without dust or debris.
4. The door gasket has no damage.
5. Check whether the evaporator is frozen. If it is found that it is frozen, press the  button and  for more than 6 seconds at the same time to turn on and off the defrosting.

If this doesn't solve the problem, please call a qualified technician

When requesting a service call, please find the manufacturers data plate and provide the model, serial number and details of any fault codes that are displayed.

Alarm

The controller is equipped with an internal audiovisual alarm:

Alarm display	Alarm description	Operational requirements
Er	Cabinet temperature probe failure	Alarm, no refrigeration
Eh	Humidity probe failure	Alarm, no humidification.
EE	Evaporator probe failure	Alarm
EC	Condenser probe failure	Alarm
ES	Memory fault	Display 5 seconds in the first 10 seconds after power-on
Do	Door is not closed	Alarm, turn off fan
H1	High temperature alarm in cabinet	Alarm, no refrigeration
H2	Low temperature alarm in cabinet	Alarm,
H4	High temperature alarm of condenser probe	Alarm, no refrigeration
CF	Communication failure	All outputs off

Wiring diagram of professional red wine cabinet

