

VALET

**HOME
COMMUNICATION
SYSTEM**

VM2000_{LCD}

OWNERS MANUAL

INTRODUCTION

The VM2000 Home Communication System offers the latest in micro-processor technology and the ultimate in flexibility and convenience. It offers scope for up to 27 Room Stations and Master and 4 Door/Gate Stations.

Features Include:

- Hands free reply to all calls; especially helpful with young children who can reply from any part of a room without the need to press a button.
- Privacy function to avoid being listened in on
- Multiple Door/Gate release
- Automatic reset circuitry so you don't have to remember to reset any switches after an Intercom Call
- Back up battery so you don't have to reset clock and radio memory after power disruption

This total Home Communications System continues to set the highest standards in quality and performance.

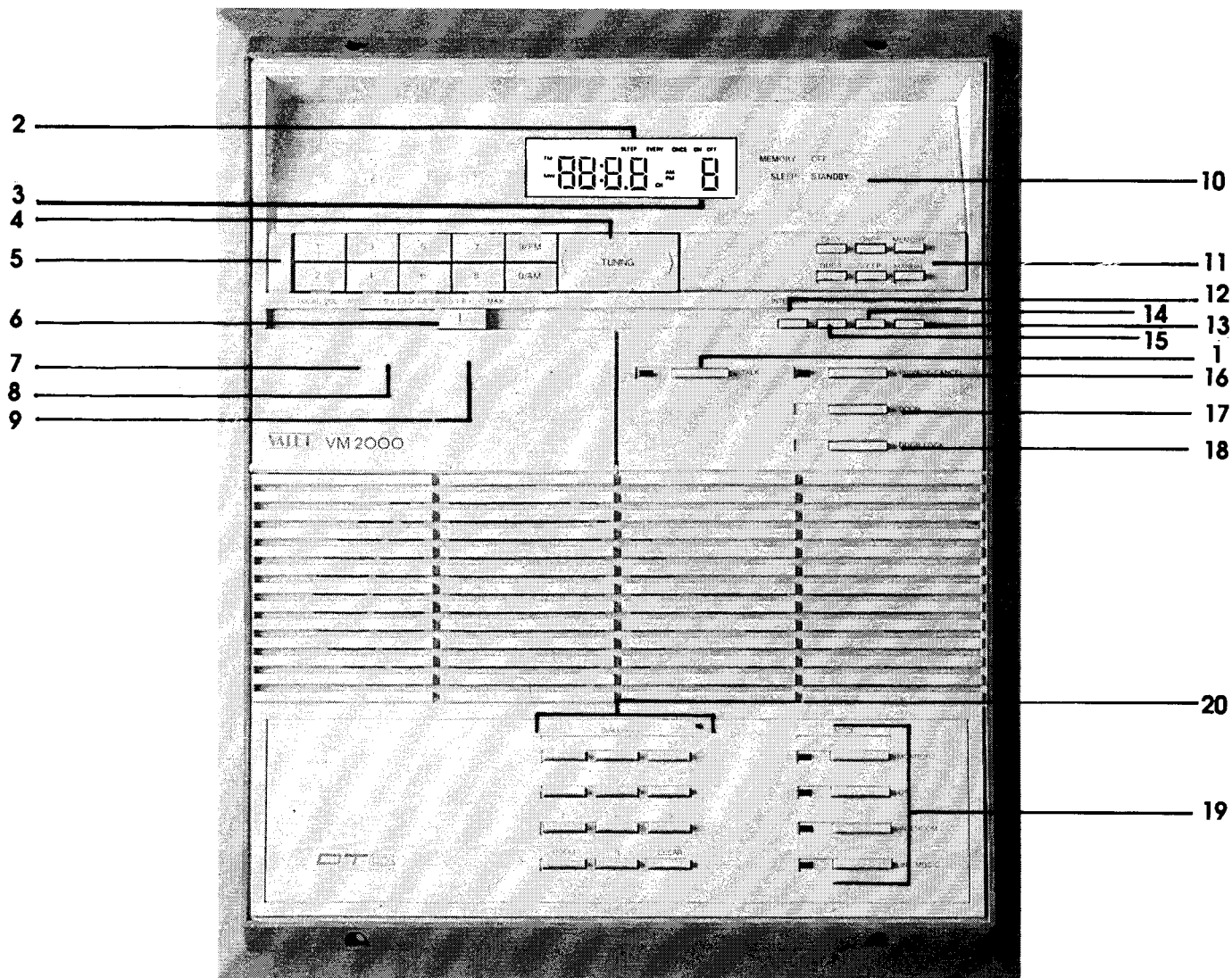
To assist in the initial understanding of the operation of this system, we recommend you follow the order in which the instructions are set out.

TABLE OF CONTENTS

Parts Identification	1 — 2
Powering Up the System	3
Setting the Clock at the Master	3
Radio Operation	4 — 5
Mode Definitions	6
Station Mode Settings	7
Paging Calls	8
Door/Gate Operation	9
Private Calls	10
How to Use Monitor Facility	11
Privacy Cancel Key	11
How to Set Program Timer (Radio Alarm)	12
Clock and Alarm Operation at Mini Master	13
Function of Other Keys:	14
- System and Local Volume	
- Treble and Bass	
- Tape Key	
- Aux Key	
- Auxiliary Input Jack - (Din Socket)	
Trouble Shooting	15
Technical Specifications	16

PARTS IDENTIFICATION

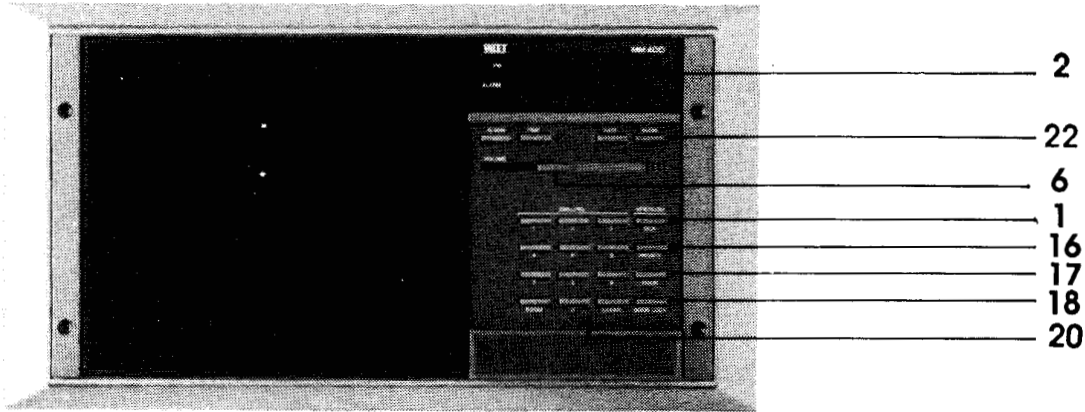
VM2000 MASTER STATION



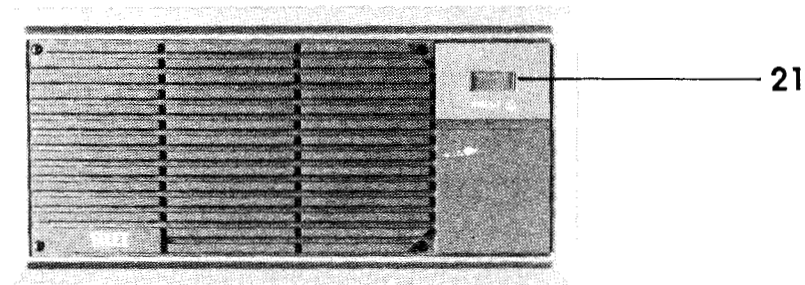
PARTS IDENTIFICATION

- | | |
|---|------------------------------------|
| 1 'TALK' Key | 12 'INTERCOM' Keys |
| 2 Display for Clock and/or Radio Stations | 13 'RADIO-INTERCOM' Keys |
| 3 Radio Pre-Set Indicator | 14 'AUX' Keys (Auxiliary) |
| 4 Tuning Key — Radio and Clock | 15 'TAPE' Keys |
| 5 Radio Pre-Set Keys | 16 'PRIVACY-CANCEL' Keys |
| 6 Local Volume Controls | 17 'DOOR' Keys |
| 7 System Volume Control | 18 'DOOR LOCK' Keys |
| 8 Treble Setting | 19 Mode Keys and Green Mode Lights |
| 9 Bass Setting | 20 Dialling Key Pad |
| 10 Standby Light | 21 'PRESS' Button-Front Door |
| 11 Clock Setting Keys | 22 Clock Set Keys — Mini-Master |

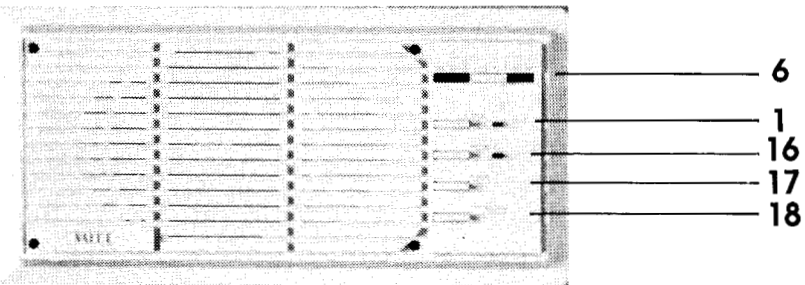
MINI MASTER



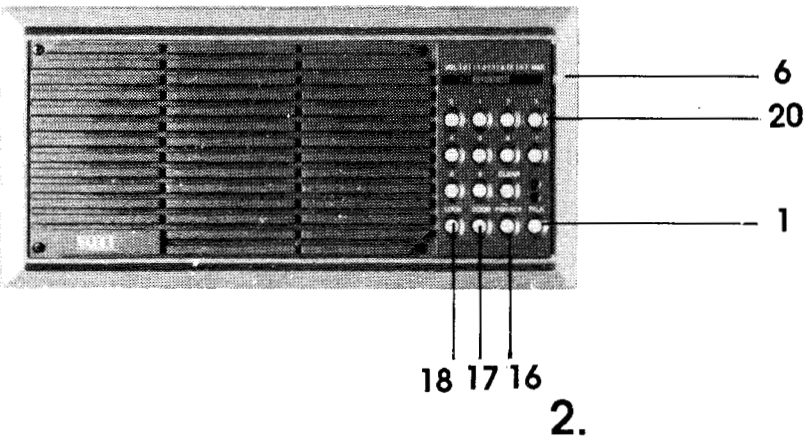
FRONT DOOR STATION



ROOM STATION

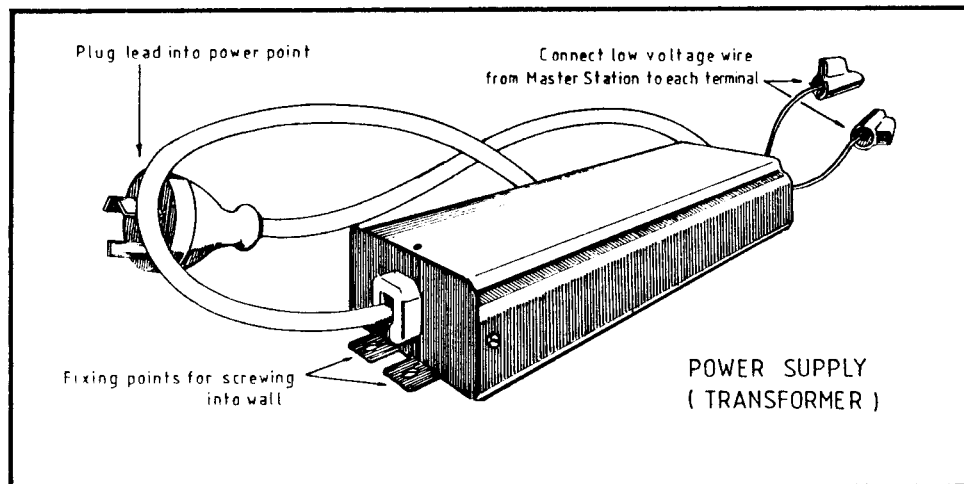


VR300



POWERING UP THE SYSTEM

Having inserted the three-pin socket from the transformer into the power point then turned it on . . .



12:00AM will flash on the clock or radio station display **2** indicating that the system is ready for programming.

SETTING THE CLOCK

- Press 'ON/OFF' Display shows FM 87.5. Wait for '12.00AM' to reappear after 5 seconds.
- Press and hold 'MEMORY' **11**
- Press 'TUNING <' to set minutes **4**
- Press '> TUNING' to set hours **4**

Check whether 'AM or PM'

RADIO OPERATION

How to turn the radio on:

- Press the RADIO-INTER Key **13**
- Press 'ON/OFF' Key **11**

Note: There is a delay of 1 second before radio comes on.

How to tune the radio to the required station:

- Press the band required (AM or FM) **5**
(Time of day will be replaced by either 89.30 Mhz for FM or 522 Khz for AM)
- Tune to station using 'TUNING' **4**
- Holding the TUNING Key **4** on for approximately one second will initiate the auto-tune to stop automatically at the next radio station.

How to enter radio stations into the systems memory:

The radio in your Valet Intercom has the facility for eight FM and eight AM Stations to be stored in the systems memory. Once having been stored it simply requires any one of the keys numbered 1-8 (Radio Pre-Set Keys **5**) to be pressed to change stations.

HAVING LOCATED YOUR FIRST STATION

- Press 'MEMORY' Key **11** and the CH indicator will flash for 5 seconds **3**

DURING THE FOLLOWING FIVE SECONDS

- Press Key Pad '1' **5** and the radio pre-set indicator **3** will come on — indicating that the station is now in the systems memory
- Repeat this procedure until you have programmed radio stations into all 8 numbers
- Repeat again from numbers 1-8 for other band (AM or FM)
i.e., You can have AM 1- 8
and FM 1- 8

How to turn the radio off throughout the system:

- Press in the INTERCOM Key **12** and the radio is OFF or
- Press in the 'ON/OFF' Key on the Clock Panel **11**

Music may be turned on or off at individual room stations and mini-master.

Privacy button is used for this function **16**.

To turn radio off at room stations:

- Press PRIVACY/CANCEL Key **16** and hold until privacy light begins to flash
- When light stops flashing — release PRIVACY/CANCEL Key
- Radio is now off at that room station

To turn radio on again:

- Press PRIVACY/CANCEL Key
- Hold until privacy light begins to flash
- Release key when light is flashing
- Radio is now on at room station

MODE DEFINITIONS

The VM2000 Intercom System allows you to choose or alter settings of individual stations from the master station.

To gain the most benefit from the system, we strongly recommend you carefully read what settings are available and how you can use them to your best advantage.

What Settings (Modes) are available for each Station:

Stations can have four (4) different settings (Modes). It is possible to select any one of these settings using the MODE Keys **19** at the Master Station.

- ☐ ☐ MONITOR
- ☐ ☐ OFF
- ☐ ☐ INTERCOM
- ☐ ☐ INT MUSIC

a) INT-MUSIC

Any station on this setting will hear
the radio/music if turned on;
the electronic door chimes when the front door button is pressed;
all intercom conversations that take place (private calls to other stations excluded); all monitored sounds.

b) INTERCOM

Any station on this setting will hear
all intercom communications that take place (private calls to other stations excluded);
the electronic door chimes when the front door button is pressed.

NOTE: Only Stations in Intercom Music Mode will receive sounds from stations set on monitor.

c) OFF

Any station on this setting will have
no function at all

d) MONITOR

Any station on this setting
will be listened to by other stations on INT-MUSIC setting and do not participate in any other function.

STATION MODE SETTINGS

How to check what Setting (Mode) each station is in:

When the system is first powered up ALL stations i.e., master, mini master(s) and room station (front door excluded) automatically start on the INT-MUSIC setting.

- Press the room station number on dialling key pad **20**
e.g., Master 00, Mini-Master 01, Room Stations 02 — 27
- A green light will flash for 3 seconds next to the mode setting of the room station **19**

For front door/gate station(s):

Where there is only one front door/gate station

- Press in key number twenty eight on dialling key pad **20** and the green light will flash on and off next to INTERCOM
- This is a permanent setting for this station and cannot be changed to any other setting

How to change the Settings (Modes) for each station:

- Press station number on dialling key pad **20** — e.g., 02
- The green light will flash for 3 seconds next to the current mode — e.g., 'INT-MUSIC' **19**
- While light is flashing, press desired mode — e.g., 'INTERCOM'
- Light will now flash next to 'INTERCOM' Mode

To change mode of all stations from master

- Press 'ROOM' (All mode lights will flash) **20**
- Select new mode **19**

Note that privacy states are maintained. Station 0 (Master) is excluded from change to monitor and off.

PAGING CALLS

(Front Door Excluded)

Should you want to locate somebody but don't know where they are, a 'PAGING' Call is the best method of finding them.

The procedure required for such a call is identical for all stations.

- Press and hold in the key identified as TALK **1** at the master, room stations or mini master(s)
- The green TALK LIGHT **1** will come on at the station initiating the call and the radio if playing will cut out at all stations
- Commence your conversation then release the TALK Key to listen for a reply
- The green TALK LIGHT goes out at the initiating station and comes on at all receiving stations indicating it's their turn to talk
 - * Those replying do not need to push anything; i.e., they reply 'Hands Free'
- Continue the conversation this way until completed then either
 - a) allow the system to reset automatically after a twenty second delay or
 - b) press the PRIVACY/CANCEL Key **16** at the initiating station and the radio will return immediately

More than one station can reply to a call.

Important Exceptions

Stations with PRIVACY/CANCEL lights on cannot talk to other stations **16**

Refer page 11 PRIVACY/CANCEL Key.

Stations programmed in the OFF or MONITOR Mode do not participate in any of these communications refer to Mode Definitions page 6.

DOOR/GATE OPERATION

How to talk to the front door/gate:

A visitor pressing the green FRONT DOOR/GATE Button **21** activates electronic door chimes that can be selectively programmed to ring at any station . . . See 'Mode Definitions' page 6.

The procedure required to talk to the visitor is identical for all stations.

- Press and hold in the Door Key **17** at the master, room station or mini-master.
- The radio, if playing, will cut out and the green TALK LIGHT **1** will come on at whichever station talks to the door first
- Commence your conversation then release to listen. The visitor is not required to press anything further . . . just talk
- Continue the conversation this way until completed then either
 - a) allow the system to reset automatically after a twenty second delay or
 - b) press the PRIVACY/CANCEL Key **16** at the station where the conversation took place to the front door and the radio will return immediately

NOTE: The voice of the person talking to the front door station is heard by all stations that are set in INT-MUSIC or INTERCOM Modes. Refer to 'Mode Definitions' page 6.

Important Exceptions

Stations with PRIVACY/CANCEL lights **16** on cannot talk to the front door/gate . . .

Stations programmed in the OFF or MONITOR Mode do not participate in any of the communications . . . Refer to 'Mode Definitions' page 6.

Door (Un)Lock Keys 18

When an electric door latch/lock is fitted to the front door or gate and is required to be opened.

- Press in Door Key **18**. The door latch/lock is in 'a ready to be released' state for a ten-second period during which time the door/gate must be pushed open by the incoming visitor.

Option — Selective Lock Release

Station 28	Lock may be released without prior call
Station 29, 30, 31	Lock may be released selectively after call from that station

Please note Stations 24, 25, 26 & 27 DO NOT have lock release.

Control is available up to 25 seconds after last communication with door station.

PRIVATE CALLS

How to Make a Private Call from One Station to Another — Private Call

This facility is only available via the Master, Mini-Master and VR300 Room Stations.

Should you wish to make a private call to one station only, use the keys on the pad identified as **DIALLING 20** on the master, the mini-master and on the VR300 room station. This procedure is common to the three types of stations.

For calls to mini-masters and room stations, use **DIALLING** Keys one to twenty seven.

For calls to the front door station/s use **DIALLING** Keys twenty eight to thirty one.

For calls to the master station from a mini-master use **DIALLING** Key zero.

- Firmly press the station number required
e.g., 05, then press and hold in the **TALK Key 1**
- The green **TALK LIGHT 1** comes on and the radio, if playing, cuts out only at the stations involved in the conversation
Leading "O" only required for mode change.
- Commence your conversation then release the **TALK Key** to listen for a reply
- The green **TALK LIGHT** goes out at the initiating station and comes on at the receiving station indicating it is their turn to talk
- Those replying do not need to push anything, i.e., they do so 'Hands Free'
- Continue the conversation this way until completed then either
 - a) allow the system to reset automatically after a twenty-second delay or
 - b) press the **PRIVACY/CANCEL** Key at the initiating station and the radio will return immediately

Important Exceptions

A participating station with its **PRIVACY/CANCEL** light on cannot talk to the other station . . . Refer 'Privacy/Cancel' Key page 12.

Any station programmed in the **OFF** or **MONITOR** Mode does not participate in any of these communications . . . Refer 'Mode Definitions' page 7.

HOW TO USE THE MONITOR FACILITY

The setting of 'Monitor' is where one or more stations want to listen to another station or stations for example to;

Check that a baby is sleeping soundly or

Make sure a sick child or elderly parent is comfortable at night time

The 'Monitor' setting at the station being monitored is indicated by the green TALK light being on, i.e., its microphone is ON.

All other stations can listen in to the monitored station provided they are set in INT-MUSIC Mode.

HOW TO OVERRIDE THE MONITOR SETTING

As indicated in 'Mode Definitions' page 7, a station set in monitor is excluded from all other functions of the system.

It is, however, possible to override the monitor setting from the master or mini-master stations by making a private call — see page 11.

At the completion of the conversation the system will automatically reset the target station back into monitor.

PRIVACY/CANCEL KEY — HOW TO AVOID BEING MONITORED

Since monitor is 'listening' setting, there are obvious situations where stations do not wish to be monitored and this can be achieved by engaging the PRIVACY/CANCEL Key **16**.

When trying to set a station into 'monitor' from the master station, you find it will not accept the instruction, i.e., the green light will not flash next to monitor, this indicates that the PRIVACY/CANCEL Key is engaged at the target station and can only be reset by going to the station and disengaging the PRIVACY/CANCEL Key.

PRIVACY/CANCEL Key will not operate if room station is already being monitored.

Please note:- the PRIVACY/CANCEL Key is a multi-function key —

1. To engage privacy to prevent that room station from being monitored.
2. To cancel an intercom call so radio can be resumed immediately (see page 9).
3. To turn radio off and on at the room stations (see page 6).

HOW TO SET THE PROGRAMME TIMER TO . . .

AUTOMATICALLY TURN THE RADIO ON AND OFF AT A PREDETERMINED TIME ONCE ONLY

- Push in RADIO-INTER Button **13**
- Push MANUAL Key to turn radio on **11**
- Press ONCE Key **11** ('ONCE' and 'ON' shows on display 2)
- The turn-on time is displayed for five seconds

During this five seconds:

- Select radio station you wish to hear using preset keys **5**
- Adjust the turn-on time by pressing 'TUNING' up or down to adjust hours or minutes
- Press 'ONCE'. Radio preset indicator shows station to be used.
- Change to radio station you wish to hear using preset keys **5**.
- Press ONCE Key again to display the turn-off time - display shows 'ONCE' and 'OFF'
- Adjust turn-off time by pressing <TUNING>
- After desired station, turn-on and turn-off times have been set, press the TIMER Button **11**
- The STANDBY light will now come on **10**
- Press MANUAL Key to turn radio off **11**
- The radio will now turn itself on and off at the preset time once only

Automatically turn the radio on and off at a predetermined time on a daily basis.

- Same as above, except press DAILY Key instead of ONCE Key **11**

HOW TO SET THE SLEEP TIMER

To turn the radio off within a period of, and up to 60 minutes from time of setting.

Press MANUAL Key to turn radio on **11**.

Press the SLEEP Key **11** and the number 60 appears on the CLOCK DISPLAY 2 which represents the number of minutes from the time of setting that the radio will turn off.

Press the SLEEP Key **11** again to decrease in increments of ten minutes to the required setting (minimum of ten minutes).

The sleep timer is now ready for operation. Display (2) shows 'SLEEP'

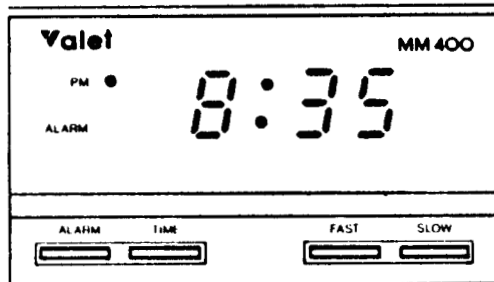
HOW TO CANCEL THE SLEEP TIMER

Press MANUAL once to cancel sleep timer program and music **11**.

Press MANUAL twice to cancel sleep timer program but retain music **11**.

THE CLOCK SETTING AND ALARM FUNCTION — MINI-MASTER(S)

The digital clock incorporated in the mini-master station is a twelve-hour clock with an audible 'beep' alarm function.



Mini-Master
clock & button
display

HOW TO SET THE TIME OF DAY

- Press and hold in 'TIME' Key followed by 'FAST' Key. This will advance the time display towards the required setting **22**
- As the correct time of day approaches on the display, release the fast key then press and hold in the slow key until you have reached the correct setting

NOTE: 'P.M.' time as distinct from A.M. is indicated by the illumination of the green 'P.M.' led light on the display.

HOW TO SET THE AUDIBLE ALARM FUNCTION TO TURN ON AT A PRE-DETERMINED TIME

- Press and hold in 'ALARM' Key, 'TIME' Key and then the 'FAST' Key
- As the required 'turn-on time' approaches on the display release the fast key then press and hold in the slow key until you have reached the required setting
- Release all keys, the green alarm led light is now on indicating the alarm timer is active and the display will return to normal time of the day.

At the designated time, the alarm function will start to beep.

HOW TO TURN THE ALARM OFF AND ON — MINI-MASTER

- To turn the alarm 'off' push in the 'ALARM' Key, the beeps will cease and the green light goes out
- To activate the alarm timer, push in the alarm key and the green light comes on

THE FUNCTIONS OF OTHER KEYS AND CONTROLS

SYSTEM VOLUME 7 — MASTER STATION ONLY

This control knob is used only to set the overall music level throughout the system and its operation has no affect on any function relating to the intercom.

- Lift back the cover and rotate the knob in a clockwise direction to approximately 1/3 setting. This is considered the best operating setting but may be adjusted to suit

LOCAL VOLUME CONTROLS 6

These controls are used:

- a) To set the level of music desired at that particular station
- b) To set the level of voice transmissions/sounds received by that station
- c) To set the level of door chime received by that station

Slide the control to the level desired — usually 2/3 setting

TREBLE AND BASS 8 and 9 (Tone Controls) — MASTER STATION ONLY

These controls are used to:

- a) In the case of treble, boost or reduce high frequencies and
- b) In the case of bass, boost or reduce low frequencies

Lift back the cover and rotate clockwise or anti-clockwise for the levels desired.

TAPE KEY 15

This key is used where a cassette deck is included in the system.

NOTE: There is no cassette deck currently available for the Valet Intercom System.

AUX KEY 14

This key is used where music is desired to be played through the Intercom System via a cassette deck or stereo system and the AUXILIARY INPUT JACK . . . Refer below.

- Press AUX Key in prior to operating cassette deck

NOTE: Full intercom functions are still maintained in this setting.

AUXILIARY INPUT JACK — DIN

This input jack allows for external inputs, i.e., cassette decks to be played through the speakers of the Intercom System provided a suitable connector is available between the JACK and the cassette deck.

- Press in the AUX Key **14** at the master station and appropriate controls on the stereo system

NOTE: The Manufacturer/Dealer/Agent cannot guarantee that the INPUT JACK is suitable for all types of stereo equipment.

TROUBLE SHOOTING

Because the VM2000 System has automatic reset at the completion of all intercom conversations there are few areas, once installation and testing has been completed and the instructions read, that should cause you any problems. You will have read in the instructions that there are various NOTES AND IMPORTANT EXCEPTIONS at the completion of some sections detailing why some functions are or are not available. Should you find you are having problems in any intercom area we suggest that you first return to that section and check up what exceptions are listed there.

Listed below are some of the most common problems and their solutions.

NO DISPLAY ON THE CLOCK/RADIO STATION PANEL **2**

Check that the three-pin plug from the transformer is plugged into the power point and is switched on.

Check that the low voltage lead connected to the other end of the transformer is securely connected.

If still no display, plug another appliance into the power point to test whether the power point is working correctly.

THE RADIO WILL NOT COME ON

Check that it is correctly programmed as per procedures set out in RADIO OPERATION (page 4-5) and RADIO ALARM FUNCTIONS (page 12).

Check the settings (modes) of all stations including the master to see what selection they are on. Refer to page 7.

Check that RADIO-INTER Key is pushed in **13**

A STATION DOES NOT REGISTER when checking what setting it is in As set out on page 7 '**HOW TO CHECK WHAT SETTING EACH STATION IS IN**' test to see if all stations are registering. Should a green mode light **19** not flash on and off for a particular station, turn the system power off wait 5 seconds then turn on again at the power point then test it again.

This procedure must be followed where:

- a) Additional stations are added to the system or
- b) A station has to be moved and is disconnected in the process

It is important to turn the power off before attempting such moves.

Experience shows that most service problems relate either to incorrect installation or a lack of understanding of the instructions. The VM2000 is a most comprehensive Intercom System and as such may take a little time for you to familiarise yourself with its operation.

Should you have any doubts, do not hesitate to contact your local distributor who will be able to direct you along the right path.

TECHNICAL SPECIFICATIONS

RADIO

- AM Range 552 Khz — 1611 Khz
- FM Range 89.3 Mhz — 108 Mhz
- Digitally Synthesised Quartz Crystal Locked Tuner
- 16-Station Memory
- Auto-tune

CLOCK

- 12 Hour
- Dual Alarm Setting

INTERCOM

- Micro-processor Control
- Full Digital Integration
- Electret Microphone at each station
- Independent Amplification at each station
- Wide Dynamic Range
- Pulse Width Modulation Digital Communication between all stations

SPEAKERS

Room Station Speakers

- 102 mm Round Air Suspension Single Cone with Metallic Centre Cap, 16 Ohm, 10 Watt, 3 ounce Magnet

Mini-Master

- 130 mm Round Air Suspension Dual Cone, 16 Ohm, 20 Watt, 5.3 ounce Magnet

POWER SUPPLY

- Input — 240V A. C.
- Output — 15V A. C. — 4 Amp
- System Voltage — 16-22V D. C.

ROOM STATION DIALLING

00 MASTER _____

01 MINI-MASTER _____

02 _____

03 _____

04 _____

05 _____

06 _____

07 _____

08 _____

09 _____

10 _____

11 _____

12 _____

13 _____

14 _____

15 _____

16 _____

17 _____

18 _____

19 _____

20 _____

21 _____

22 _____

23 _____

*24 _____

*25 _____

*26 _____

*27 _____

DOOR/GATE STATIONS

28 _____

29 _____

30 _____

31 _____


* Without lock control.




Central Vacuum
Intercom
Security
Automation

www.valet.com.au

SALES - SERVICE - SPARES

 1800 050 333

NESS HEAD OFFICE

 02 8825 9222

iCentralTM
Intelligent Central Systems
A DIVISION OF **NESS** CORPORATION

This manual is provided as a customer service for obsolete products which can no longer be repaired.

© 2010 Ness Corporation