

Quick Start

Crystal Coloured Video Door Phone

All	Door Bell Door Unlock View Door area	Press Call button on outdoor unit View Visitor & Press UNLOCK Key on Indoor unit Press DOOR Key	
Except VILLA Model	Flat to Flat Flat to Security Redial Last Number On an Incoming Call View Security Area Toggle between Intercom & Door	Lift Handset & Dial Flat number Lift Handset & Dial Security number Press # Lift Handset & talk Press GUARD Key When on an intercom call & a door 'ding dong' (vice-versa) Press DOOR key (Intercom goes on Hold) Press GUARD key (To speak to intercom again)	
All	For PANIC Clear Panic & Alarms Activating Sensors Deactivate Sensors Door open Chimes	Press PANIC key Press HOME Key OR if password is enabled ⇒ Press PRG key (Display shows FUNCTION) dial 121xxx xxx (Where xxx xxx is password) Press AWAY key (Activates after Time Delay) ⇒ Press HOME Key OR if password is enabled Press PRG key (Display shows FUNCTION) dial 121xxx xxx (Where xxx xxx is password) Press HOME Key (Enabled by default in Home Mode) ⇒	Enable / Disable password for Alarms PRG 11 xxx xxx ⇒ 248 2 (Disable) / 248 1 (Enable) ⇒ PRG PRG 11 xxx xxx ⇒ 181 TT {Where TT = 01 to 20} ⇒ PRG PRG 11 xxx xxx ⇒ 247 2 (Disable) / 247 1 (Enable) ⇒ PRG
Only Hitech	Display last 5 incoming/missed calls	Press PRG key (Display shows FUNCTION) Press 2 to scroll up ↑ Press 8 to scroll down ↓ Press PRG key to exit (Display shows OUT OF PW)	

INTERCOM FUNCTIONING

x	Villa	✓	Executive	✓	Hi Tech	✓	Ultimate
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OUTGOING

☎ Lift Handset – You shall get intercom Dial-Tone .

☎ **Dial desired number.**

Alternately,

☎ **Press SP key**

&

☎ **Dial desired number .**

☎ Lift handset to speak

To redial last dialled number, go Off-Hook and dial

☎ **#**

INCOMING

On an **incoming call,**

☎ lift handset and speak (A volume control knob is provided at the bottom to adjust intercom ring volume)

① If you are in intercom speech mode and hear Ding-Dong bell, you can toggle between the intercom call & door bell call using DOOR \ GUARD key. On pressing DOOR key, intercom call will be put on hold and you shall be connected to the visitor at the door and vice-versa.

If a CCTV camera is connected at the security, during any internal call , your screen shall display CCTV view

You can also anytime monitor security area. To do so,

☎ **Press GUARD Key**

① Contrast and Brightness control's are provided at the bottom , so that you can set for a comfortable view

✓	Villa	✓	Executive	✓	Hi Tech	✓	Ultimate
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DOOR BELL FUNCTION

☎ Press call button on the out-door unit for Ding-Dong bell .

☎ Go off-hook to speak with the visitor at the gate .

☐ You shall also see visitor on your screen .

While speaking with the visitor , if you desire to open the door-lock ,

☎ **Press UNLOCK key .**

A build in Safety feature prevents accidental opening of the door if the UNLOCK key is pressed by mistake. The display must show the picture of the Door Camera for unlock to operate. If pressed by mistake the display will first show the DOOR camera and ask you to press UNLOCK again to open the door.

You can anytime have a view of the area near the out-door unit . For this,

☎ **Press DOOR key**

① If you are speaking with the visitor at the door and hear intercom bell , disconnect and go off-hook. You shall be connected to the intercom call

PANIC ALARM FUNCTION

✓	Villa	✓	Executive	✓	Hi Tech	✓	Ultimate
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You can connect a loud Hooter (12V) on Crystal VDP unit . In case of any emergency,

☞ **Press PANIC key .**

🔊 The hooter will start hooting in following pattern -- First 20secs ON (programmable) and then in a cyclic pattern of 22 secs ON \ 10 secs OFF .

① During Panic condition , VDP ringer shall also start ringing and the screen shall display CCTV view .

If VDP is connected with Guard Intercom system , VDP shall also send a wire cut panic information to the PBX so that the panic information is immediately available at the reception also .(Not applicable for Villa.)

🔊 **To Reset Panic ,**

IF Password is enabled

☞ **Press PRG + 121 P₁P₂P₃ P₄P₅P₆** (Panic will Reset & VDP goes to Disarmed mode)
[Where P₁P₂P₃ P₄P₅P₆ is six digit Password]

IF Password is disabled

☞ **Press HOME** (Panic will Reset & VDP goes to HOME mode)

Activating Panic Sensors

A Wire Break Sensing port is available on Crystal VDP to which you can connect any number of sensors (with normally closed contacts) in a serial loop. When any sensor senses panic , the loop shall break and Panic condition shall be initiated by the VDP.

Normally , VDP shall not check for the sensors . When you desire to activate the sensors (say - when you are leaving your home or at night) ,

☞ **Press ARM-AWAY key .**

① As soon as you press this key , after a pre-programmed timer , panic sensing shall be activated . LED indicator above this key will glow to indicate that this function is now active.

Deactivating the sensors (during day time or when you are present) ,

IF Password is enabled

☞ **Press PRG + 121 P₁P₂P₃ P₄P₅P₆** (Panic will Reset & VDP goes to Disarmed mode)
[Where P₁P₂P₃ P₄P₅P₆ is six digit Password]

IF Password is disabled

☞ **Press HOME** (Panic will Reset & VDP goes to HOME mode)

① If you are using a door open sensor , when going out , press ARM-Away key and exit before the counter is 00. When you return back , reset ARM-Away (as explained above) before timer is 00.

Door Open Chimes:

At times the Main door may not close properly resulting in a major Security lapse. If an optional magnetic door sensor is installed Crystal VDP can be made to give audible Door Open Chimes at regular interval as an Alert.

To Activate

☞ **Press ARM-HOME key**

- Programming 'After Entering Programming Mode' or 'While in Programming Mode' is denoted by → ✖
- Applicable Software revisions: Villa V2.08 ↑ Executive E2.08 ↑ Hi Tech H2.05 ↑

To Deactivate

☞ Press **PRG + 121 P₁P₂P₃ P₄P₅P₆** (Door Chime will deactivate & VDP goes to Disarmed mode)
 [Where **P₁P₂P₃ P₄P₅P₆** is six digit Password]

① Chime interval is programmable from 01 sec to 99 sec. (Default value is 10 sec.)

Special Keys:

✓	Villa	✓	Executive	✓	Hi Tech	✓	Ultimate
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Crystal VDP had the following FIVE special Keys

UNLOCK, PANIC, PRG, AWAY, HOME

During dusting and routine cleaning accidental pressing of these keys may activate the special functions.

A “Key Push Delay” may be programmed for each of these five special keys. The special key has to be kept pressed for the pre programmed delay time for it to be accepted by the VDP.

Each of the Five Special Keys can be programmed for different Delay from 0 Sec to 99 Sec.

(Default values are UNLOCK = 0 Sec, PANIC=1 Sec, PRG=0 Sec, AWAY=1 Sec, HOME=0 Sec.)

Please refer programming section to change this “Key Push Delay” time.

HITECH Features

✗	Villa	✗	Executive	✓	Hi Tech	✓	Ultimate
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Callers Name \ Number

On any internal call , callers name\number shall be displayed on the screen . (PBX on which Crystal VDP is connected should have CLI feature)

CLI Based Security Camera Switching:

On any internal call , screen shall display view of CCTV camera . If desired , you can programme to have display of CCTV camera only when the call is from specific numbers (max. four). Similarly on an outgoing call , screen shall display only when the call is made to these four numbers .

To programme this feature ,

☞ Enter programming mode (Refer programming section)

✗ Press **242 X** (where X=1 for screen ON for all calls , 2 for ON only on four specific numbers)

✗ **16 + Serial Number (1~4) + Intercom number (Max 6 digits) + #**

To erase a particular number , dial

✗ **16 + serial number + #**

To erase all four numbers , dial

✗ **16 + #**

CLI display Colour:

The colour of the displayed CLI number can be changed for better view

✗ **19 05 XX** (Where XX = 00 for colours by rotation, 05 for White, 06 for Yellow, 07 for Red, 09 for Blue, 14 for Pink, 15 for Green)

Display of last 5 incoming \ missed calls

Crystal VDP shall store 5 incoming \ missed calls . To view these calls ,

☞ **PRG + 12**

☞ **Press 2** to scroll up

☞ **Press 8** to scroll down



After viewing numbers , Press

PRG to exit .

- Programming ‘After Entering Programming Mode’ or ‘While in Programming Mode’ is denoted by → ✗
- Applicable Software revisions: Villa V2.08 ↑ Executive E2.08 ↑ Hi Tech H2.05 ↑

PROGRAMMING

To Enter Programming Mode ,

-  Press PRG key (Handset should be On-Hook)
(The Red LED above the PRG Key starts Blinking to indicate that you are in Programming Mode)
- Wait.....Display shall show – “ Enter Password “ .
-  Dial – 11 P₁P₂P₃ P₄P₅P₆ [Where P₁P₂P₃ P₄P₅P₆ is six digit Password]
[124 124 is the default password].
- Wait.....Display shows OK
- Display now shows **FUN COMMAND**
- ① Now programme desired feature . If programming is correct , “O.K.” shall be displayed , and if wrong , “ERROR” shall be displayed
- ① When programming is complete , press PRG key to come out of programming mode . Display shall show – “Out From P.W.”

Notes :


- a) When in programming mode , **Dial Digits Slowly** –
 - ⊕ dial next digit only when the previous digit has been displayed on the screen.
- b) If you make any mistake while programming ,
 - ⏏ Lift the Handset (go Off-Hook) ,
 - ↓ Replace hand-set and continue.
 - ① Programming (by going off-hook and then on-hook , you shall not come out of programming mode. Press PRG key to come out of programming mode)

In this manual -

 Symbol means that you have to ‘Enter the Programming Mode’ as described above or you must ‘Already be in the Programming Mode’.


Resetting Memory

To erase entire memory and to set all parameters to default ,

-  12 P₁P₂P₃ P₄P₅P₆ [Where P₁P₂P₃ P₄P₅P₆ is six digit Password]
[124 124 is the default password].

Changing Password


To change password ,

-  21 N₁N₂N₃ N₄N₅N₆ [Where N₁N₂N₃ N₄N₅N₆ is six digit **NEW** Password]

- ① In case one forgets the password , switch off the VDP -> Press PANIC & HOME button together and switch on the VDP -> the PANIC & HOME buttons are to be kept pressed till “Password Reset “ appears on the display. Password shall now revert to default 124 124


LCD On\Off Time


In default, LCD screen shall switch OFF automatically after 2min. If you desire that it should be ON as long as handset is off-hook ,

-  24 1 X (where X=1 for ON during off-hook , X=2 for auto Off after 2 mins)

ARM Away Timer

If desired , the ARM away timer can be changed as follows.

-  Press 18 1 xx (where XX multiplied by 5 is time in seconds . – i.e. if XX is 20 , timer will be 20 x 5 = 100 secs.)

- Programming ‘After Entering Programming Mode’ or ‘While in Programming Mode’ is denoted by → 
- Applicable Software revisions: Villa V2.08 ↑ Executive E2.08 ↑ Hi Tech H2.05 ↑

Panic Chimes

When in HOME mode any connected panic sensor activation can give a small alert in the form of a Beep.

✘ Press **24 7 X** (where X=1 for Chime enabled \ 2 for disabled) Default is 1

Panic Ring

During Panic condition , the Hooter will hoot with a 1st long ON .

If desired , this 1st ON duration can be increased \ decreased as follows .

✘ Press **18 5 XX** (where XX = 00 ~ 99 secs .) Default = 20

During Panic, VDP ringer shall also ring continuously till panic is reset .

If you do not want the VDP ringer to ring during panic , dial

✘ Press **24 4 X** (where X=1 for ringer On \ 2 for ringer Off) Default is On

If you want to disable the Panic DSS key located on the VDP ,

✘ Press **24 5 X** (where X=1 for enabled \ 2 for key disabled) Default is 1

Door Open Chime interval

When in HOME mode if the door is accidentally left open the VDP will give small alert in the form of a Beep.

To programme the beep interval

✘ Press **18 9 XX** (where XX = 00 ~ 99 secs .) Default = 10

Key Push Delay

The Five Special Keys – Unlock, Panic, PRG, Away, Home can be independently programmed for key push delay.

✘ Press **19 KK XX** (where XX = 00 ~ 99 secs .) Default = 00

(where KK = 00 for Unlock Key, 01 for Panic Key, 02 for PRG key, 03 for Away & 04 for Home Key)

Slow Dialling

If Crystal VDP is connected behind PBX of some other make and if you find that the PBX is missing dialled digits , you can set for a slower dialling speed . To do so

✘ Press **18 6 XX** (where XX = 01 ~ 09) Default is 1

For setting the inter digit pause (IDP)

✘ Press **18 7 XX** (where XX = 01 ~ 99) Default is 10

Alarm Clear with Password

For a Higher Level of Security to clear the Alarm a six digit Password is required.

However depending on the applications it may be desirable to have Password only say when you go out for a vacation etc., and for normal day to day operations you may like single key operation to switch between AWAY & HOME modes without password & at the same time to Clear the ALARM with a single push of the HOME key.

✘ Press **24 8 X** (where X=1 for Password enabled \ 2 for Password disabled) Default is 1

ANNEXURE

Table - Code 18 & 19

PRG CODE	Where X	Description	Where TT (Default Values)	Remarks
✂ 18 X TT	1	ARM AWAY TIMER (TT x5 Sec)	TT=04 (20 Sec)	
	2	FCT Alternate Number Dial Delay	30 Sec	Only Ultimate
	3	Call Bell Ring Counter	01	Only Ultimate
	4	Door Bell Ring Counter	02	
	5	Panic Ring 1 st ON Duration	20 Sec	
	6	DTMF ON TIME (x100 ms)	01	
	7	DTMF OFF TIME (x10ms)	01	
	8	Camera Scan Delay	10 Sec	Only Ultimate
	9	Door open Chime Interval	10 Sec	
✂ 19 KK TT	Where KK= 00 for UNLOCK; KK=01 for PANIC; KK=02 for PRG; KK=03 for AWAY; KK=04 for HOME. TT is Key Push Delay time from 00 to 99 Secs.			

Table - Code 24

PRG CODE	Where X	Description	Where F
✂ 24 X F	1	LCD Display when Handset Lifted	1= Remains ON 2= Auto Off after 2 min
	2	Display ON- CLI based / non CLI Based	1= Non CLI Based 2= CLI Based
	3	FCT Enable /Disable (Ultimate Only)	1=Enable 2=Disable
	4	VDP Ringer during Panic	1= ON 2= OFF
	5	PANIC KEY on the VDP	1=Enable 2=Disable
	6	Digital Outdoor unit port 0 default (Ultimate only)	1=Enable 2=Disable
	7	Chimes when in HOME mode	1=Enable 2=Disable
	8	Alarm Clear & HOME with Password	1=Enable 2=Disable

Table – Misc.

✂ 12 P ₁ P ₂ P ₃ P ₄ P ₅ P ₆	Resetting Memory to set all parameters to default	[Where P ₁ P ₂ P ₃ P ₄ P ₅ P ₆ is six digit Password] [124 124 is the default password].
✂ 21 N ₁ N ₂ N ₃ N ₄ N ₅ N ₆	Changing Password	[Where N ₁ N ₂ N ₃ N ₄ N ₅ N ₆ is six digit NEW Password]

- Programming 'After Entering Programming Mode' or 'While in Programming Mode' is denoted by → ✂
- Applicable Software revisions: Villa V2.08 ↑ Executive E2.08 ↑ Hi Tech H2.05 ↑