

ULTIMA

ONIDA

SERVICE MANUAL

COLOUR TELEVISION

14DELITE / 21DELITE

BASIC CHASSIS

ULTIMA

CONTENTS

- INSTRUCTIONS
- ADJUSTMENT MANUAL
- STANDARD CIRCUIT DIAGRAM

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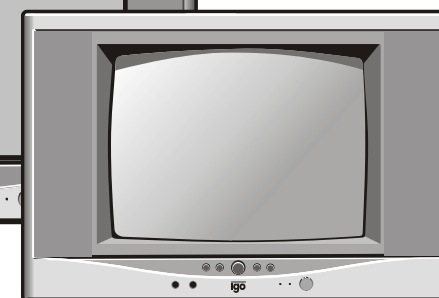
THE DELITE SERIES

colour televisions

A feast for the senses
PERFECT PICTURES. CRYSTAL CLEAR SOUND



Flat Delite 21



Delite 14

instruction manual

14. SPECIFICATIONS

- Type : Colour Television Receiver
- Receiving System : PAL - BG or
PAL - BG/I or
PAL - BG/H, SECAM - BG/DK/K1
NTSC Playback (IN AV MODE)
- Colour System : Phase Alternation by Line (PAL)
NTSC Playback (IN VIDEO MODE)
- Channel Coverage : VHF(Low) : Channel2 to 4
VHF(High) : Channel5 to 12
UHF : Channel 21 to 69
CATV(Middle) : X-Z+2S1-S10
CATV(Super) : S11-S20
CATV(Hyper) : S21-S41
- Aerial Input Impedance : 75 ohms unbalanced
- Power input
- Rated Voltage : 230V AC, 50 Hz
- A/V Terminal connections
- Line Input – Video : 1 Vp-p, 75 ohms (RCA Pin Jack)
- Audio : 500 mV rms (-4dBs) High impedance RCA Pin Jack
- Line Output – Video : 1 Vp-p, 75 ohms (RCA Pin Jack)
- Audio : 500 mV rms (-4 dBs) High impedance RCA Pin Jack

Flat Delite 21" Delite14"

• Power Consumption	110 W	65 W
• Picture Tube (measured diagonally)	21" (53 cm)	14" (36 cm)
• Audio output W PMPO	250	120
• Dimensions		
Width (mm)	620	475
Depth (mm)	495	379
Height (mm)	449	319
• Weight (Approx.)	26 kg.	11 kg.

- Accessories : Remote control,
AA size Dry cell battery x 2 Units

Design & Specifications subject to change without notice

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1. FEATURES

- **DIGITAL NOISE REDUCTION**
Reduces digital noise for disturbance free viewing
- **MAGIC EYE**
Automatic brightness and contrast adjustment according to surrounding room light makes it easy on your eyes.
- **STEREO SOUND**
250W of crystal clear stereo sound - for Flat Delite 21
120W crystal clear stereo sound - for Delite 14
- **BLACK STRETCH**
Enhances the black colour tone and adds richness to picture in your TV
- **CALENDAR**
200 years calendar
- **CHILD TIMER**
Prevent your child from watching unwanted channels

12. TROUBLESHOOTING

BEFORE CALLING SERVICE

Many apparent malfunctions are caused by slight misadjustments of the regular controls or some other equally simple cause. If any difficulty arises in the operation of your set, first check through this list of symptoms & corrections. Should the difficulty persist, unplug the set & contact your dealer or nearest ONIDA Service Centre.

Problem	Symptoms	Corrections
No Power Supply	Is the power cord plug disconnected? Is the main power button switched off?	Insert the plug in an AC outlet. Then press the main power button ON.
No picture, No sound	Is your antenna disconnected?	Check the antenna connections.
No sound	Is volume level on Zero?	Increase the volume.
Sound Distortion	Check sound system	Select correct sound system.
Wrong colours	Are the colour & brightness controls adjusted correctly?	Adjust the colour & brightness controls.
Spotted picture	Could there be an interference from any electrical equipment, high tension wire, automobiles, etc. ?	Replace the antenna cables with a co-axial cable, which is less prone to interference. Move antenna away from the source of interference.
Double picture (ghost)	Could the direct signals from a TV broadcast station be affected by signals reflected from mountains or buildings etc.?	Move antenna to a different position, height or direction. Replace with an antenna having good directivity.
Snowy picture	Is the antenna wire cut or disconnected? Is your antenna turned in the wrong direction ? Is the antenna damaged?	Check antenna connection. Direct the antenna properly. Replace or repair the antenna.
Remote control not operating.	Are the batteries exhausted? Are the batteries placed in proper polarity ? Is there any obstacle between remote & sensor ?	Replace the batteries. Reinstall the batteries correctly. Remove the obstacle.
Lines or streaks in Picture	Could there be any interference from a Personal Computer, TV, Video Recorder, etc.	Move the device away until the interference is eliminated, change antenna position.
Colour patch	Could there be external magnetic field in the vicinity of your TV, OR Earth's magnetic field may have an effect on your television.	Switch off TV by the main power button. Wait for 30 minutes before switching it on again. If the patch still appears consult the service centre.

The company will provide service to the customer after the warranty period at a cost, for 7 years from the date of discontinuation of the model, subject to the availability of the spare parts.

2. PRE-INSTALLATION

1. CONNECTING THE AERIAL / CABLE AND EXTERNAL DEVICE

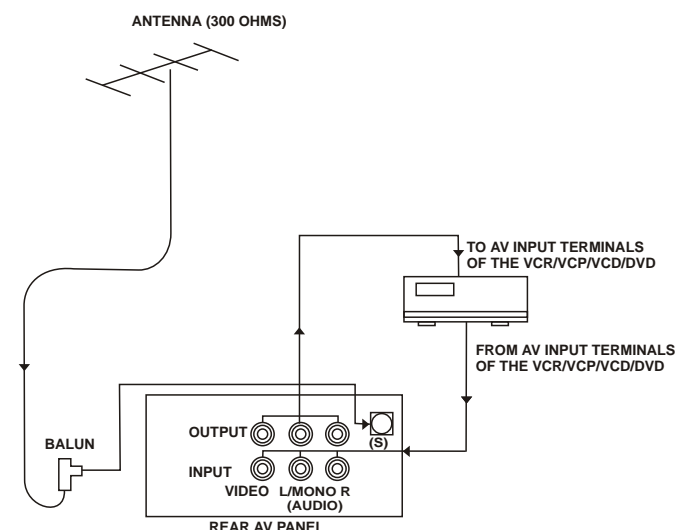


Fig. 2.1

Place your TV on a flat surface, with atleast half a foot separating it from the nearest wall. Insert the 'mains' plug into the appropriate source.

As shown above, connect the antenna cable to the socket(s) using a balun transformer attached to the cable end. You can connect a VCR / VCD / LD / DVD player to your TV as shown above.

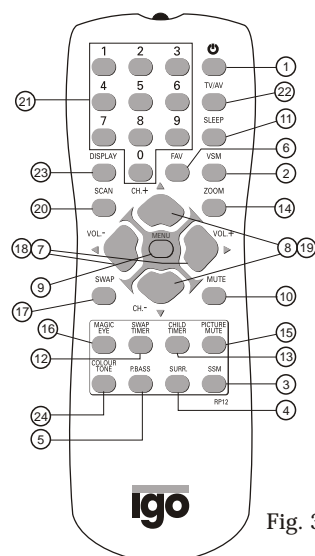
- Note :
- RF cord of video player can also be connected to socket(s).
 - Switch off TV before connecting the antenna input.
 - Before connecting any external inputs to your TV, switch off the TV.

3. REMOTE AND TV CONTROLS

1. INSERTING BATTERIES INTO THE REMOTE CONTROL

- Insert two AA/R6/UM-3 dry cell batteries into the battery compartment at the back of the remote, observing the (+) and (-) polarities.
- Do not use a combination of an old and a new battery or a pair of batteries, different by type.
- If the remote control operates erratically, replace the batteries with a new set.

2. FUNCTION OF THE REMOTE CONTROL (R/C)

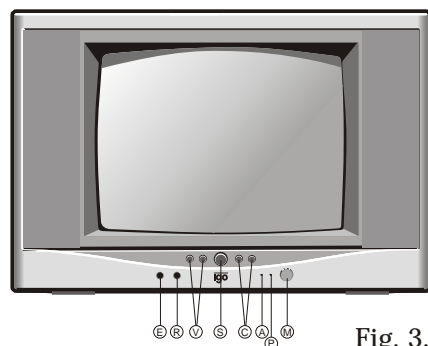


- | | |
|------------------|-----------------------|
| 1) POWER | 2) VSM |
| 3) SSM | 4) SURROUND* |
| 5) POWER BASS* | 6) FAV |
| 7) VOLUME +/- | 8) MENU UP /DOWN |
| 9) MENU | 10) MUTE |
| 11) SLEEP | 12) SWAP TIMER |
| 13) CHILD TIMER | 14) ZOOM |
| 15) PICTURE MUTE | 16) MAGIC EYE |
| 17) SWAP | 18) MENU LEFT / RIGHT |
| 19) CHANNEL +/- | 20) CHANNEL SCAN |
| 21) NUMERIC KEYS | 22) TV/AV |
| 23) DISPLAY | 24) COLOUR TONE |

Note : * Feature not available

Fig. 3.1

3. FUNCTION OF FRONT SIDE PANEL BUTTONS AND LAMPS



Code	Function
R	Remote sensor
S	Menu
C	Channel up/down keys
V	Volume up/down keys
A	Alarm Indicator
P	Power Indicator
M	Main Power Button
E	Magic Eye Sensor

Fig. 3.2 Frontal Sketch of the Television

11. SAFETY INSTRUCTIONS

SAFETY INSTRUCTIONS

1. Unplug your TV set from the wall outlet before cleaning.
2. Do not use attachments not recommended by the company as they may cause fire or electric shock.
3. Slots & openings in the cabinet and at the back or bottom of the TV set are provided for ventilation. To ensure reliable operation of the TV set and to protect it from overheating, these openings should not be blocked.
4. Do not allow anything to rest on the TV cord.
5. If an outside antenna is connected to the TV set, be sure that the antenna system is grounded. The antenna should not be located in the vicinity of overhead powerlines.
6. For added protection to the TV set during a lightning storm, or when it is left unattended, not used for long periods of time, unplug it from the wall outlet & disconnect the antenna.
7. Do not attempt to service the set yourself as opening or removing the cover may expose you to dangerous voltages or other hazards. Refer all servicing to qualified service personnel only.
8. The Service Adjustment Controls are factory aligned and are to be used exclusively by qualified service personnel. Do not tamper.

The following are not caused by TV malfunctions :

- When you touch the CRT (Cathode Ray Tube) Surface, you might feel slight charge of static electricity. This is because the CRT contains static electricity : it does not affect the human body.
- Due to alteration of ambient temperature, a cracking sound might be heard from the TV set; there is no problem unless the picture, sound is abnormal.
- When a still bright image (white dress, for example) appears on the screen, the image might be discoloured. This problem occurs in all CRTs. As the bright image disappears, such coloration also disappears.
- Sometimes there could be a picture jump, noise in the picture and sound or some strange disturbance in picture and sound caused due to electrical appliances, tubelights, etc. This will normally be a temporary condition.

■ SWAP

Press Swap key at a certain channel number to toggle between the previously viewed channel and the present one.

■ SLEEP TIMER

Press the key repeatedly to set up the time in increments of 15 minutes up to a limit of 120 minutes. Setting it up puts the television into the stand by mode at the end of the time set up.

■ MUTE

Press the mute key to reduce the volume level to half the volume level. Pressing it again makes the sound inaudible.

■ PICTURE MUTE

The picture goes off with the press of this key, leaving the audio on. Alarm lamp on the front panel blinks to indicate that the feature is on.

■ MAGIC EYE

Press the key to activate this feature so that the screen automatically adjusts to an optimum picture setting according to the lighting conditions of your room.

Note: Pressing the VSM key switches the digital eye off.

■ CHILD TIMER

You need not bother about TV viewing of your child when you are away/out of home. Just set Child Timer feature ON. Press Child Timer key.

- Press ► repeatedly (at the desired channel you wish your child should watch) to set the viewing time in increments of 5 minutes upto a limit of 120 minutes.
- Press ▼ key and then ► key to change the VSM settings as desired.
- Press ▼ key and then ► key to set the maximum volume you want your child to hear the program at.
- Press 'Menu' key to activate CHILD TIMER.

Once the set time has elapsed, you set will switch OFF automatically. When you switch ON the set it will ask you for password.

Note: No keys on the remote except (Power and Volume) will work, when child timer is activated.

■ SWAP TIMER

To avoid viewing advertisements, press the Swap Timer key to get a screen indicating Timer Return. Press Swap Timer key to set the time in increments of 30 seconds. Having set the time, you may now move to any other channel. After the time lapses, the picture switches to the channel originally being viewed.

Note : To come to the original channel prematurely, simply press the Swap Timer key once.

4. INSTALLATION

1. TURNING YOUR TV ON

- Ensure that the set is plugged on and press the main power button on the TV to switch the TV ON. The power lamp on the front panel glows.
- If no image appears on the screen after 20 secs., your TV is in stand by mode. Press the POWER button on the remote control or CHANNEL ▲/▼ (or CHANNEL +/-) keys or any of the numeric keys to switch the TV ON.
- To switch the TV off, press the power button on the remote. The TV is switched to standby mode. To turn the TV's main power off, press the main power button on the TV. The power indicator lamp stops glowing to indicate power has been turned off.

2. SEARCHING FOR & STORING TV CHANNELS

You must first store stations to channels in order to view a TV Program Press 'MENU' and press ► four times.

■ Auto Tune

You can automatically store all TV stations to channels on your TV by one simple operation.

- After above mentioned operation, press ▼ to select 'AUTO TUNE' (Fig 4.1)
- Press ► key to start 'AUTO TUNE'
- Changing channel numbers and frequency bar appear on screen to indicate the progress of tuning process.

PROGRAM NO.	14
AUTO TUNE	
SELECTIVE AUTO TUNE	
CHANNEL SEARCH	
FINE TUNE	
AFT	ON/OFF
PASSWORD	
VHF	

Fig. 4.1

Note: To stop Auto Tuning, press DISP key or MENU key on remote.

■ Selective Auto Tune

By selecting this option, tuning will start from the Program No displayed on your screen.

Note: To stop Auto Tuning, press DISP key or MENU key on remote.

■ Channel Search

Set channel number by pressing ◀ / ▶ repeatedly at PROGRAM NO. To search desired channel press ◀ / ▶ key repeatedly at channel search.

Note: To stop Channel Search, press DISP key or MENU key on remote.

■ Fine Tune

If the picture after CHANNEL SEARCH is not clear, use the 'FINE TUNE' function (Fig 4.1)

- Press ▲ / ▼ key to select 'FINETUNE'
- Press ◀ / ▶ key to fine tune the TV station, so that the best image is displayed on screen. On doing so AFT will switch to OFF.

■ Auto Fine Tune (AFT)

When this option is set to ON, the set constantly fine tunes the channel to try and keep a steady picture and sound even when the signal has weakened or is disturbed.

■ Password

This option is used to change the password

- Press ▲ / ▼ key to select PASSWORD.
- Enter the current password.
- Enter the new password.
- Press 'Menu' key.

The new password will be effective.

- Master password is 5963

10. FEATURES ON REMOTE

■ COLOURTONE

Keep pressing this key to set the colour tone to NORMAL, COOL or WARM according to your preference. The tone changes from pink to blue; at Normal, it is restored to normal.

■ ZOOM

Press ZOOM key to set the picture to ZOOM, WIDE or NORMAL. The picture stretches vertically in the ZOOM mode. This feature is helpful in viewing the picture closely, especially when it is in cinemascope format.

Note : In the zoom mode, the picture may get cut at the top and at the bottom.

■ STANDBY/POWER

When the set is in STANDBY mode, you may press the STANDBY/POWER key to put it on. To have it work the other way round and put the set back into the standby mode, press the STANDBY/POWER key once again.

■ VIDEO STATUS MEMORY (PICTURE MODE)

You can select one of the five picture adjustment modes by repeatedly pressing VSM key on the remote control. (Fig 10.1)

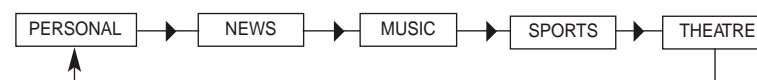


Fig 10.1: Sequence for VSM

■ SSM (Sound mode)

You can select five types sound adjustments by pressing SSM key.

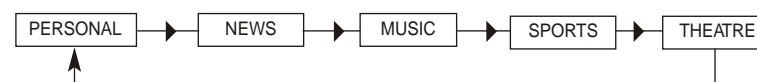


Fig 10.1: Sequence for SSM

■ CHANNELSCAN

Press the CH. SCAN key to automatically surf all the stored channels in a numerical order. Press the key again at the channel you want to view; the scanning stops.

■ TV/AV

Press TV/AV key to switch between television channels and Video mode.

Note: In Video mode, user can access TV channels by pressing NUMERIC Keys. However CHANNEL +/- keys on the remote control and CHANNEL ▲ / ▼ keys on TV front panel are not operational in Video mode.

■ GAME (Fig. 9.3)

Your TV comes with one inbuilt Game.

1. PAIR

- Press Menu key
- Press ▶ key 3 times
- Press ▼ to come to Game
- Press ▶ play pair game

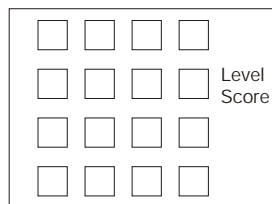


Fig. 9.3

PAIR

In this game the player has to identify locations of pairs. Player is allowed to open two cards at a time. If they form a pair, the player gets points. If they do not, both the cards are closed. Player needs to remember the positions of cards which he has opened but which did not form a pair. The less the number of chances the user takes to identify all pairs, the more points he gets. When the player identifies all pairs, he moves up to the next level.

- Press Menu key to open the card
- Press ◀ / ▶ and ▲ / ▼ key to select a particular card
- Press DISP key to end the game.

PANEL LOCK

Press menu key, then press ▼ three times to go to features, press ▼ key 7 times to go to panel lock. Press ◀ / ▶ key to make panel lock on / off. When Panel Lock is on front panel keys are not active/disable.

LANGUAGE

Press menu key, then press ▼ three times to go to features, press ▼ key 8 times to go to language. Press ◀ / ▶ key to select language of OSD to English/Arabic/Persian/Russian.

5. VIEWING A TELEVISION PROGRAM

1. USING THE REMOTE CONTROL

Press POWER to turn your TV ON. You can select a channel by either CHANNEL + / _ keys or Direct selection.

■ Channel + / _ selection

Press CHANNEL + / _ key on your remote control to change channels.

■ Direct Selection

You can select a particular channel number (from 001 to 250) by pressing the numbers on the remote.

■ Volume Control

- Press VOLUME +/- keys to adjust the sound

2. USING THE FRONT PANEL BUTTONS ON THE TV

Refer to Pg. 4.

- Press CHANNEL ▲ / ▼ to select a channel
- Press VOLUME + / - to increase/decrease the sound level
- If your TV is in stand-by mode, press CHANNEL ▲ / ▼ to turn your TV on.

3. VIEWING IMAGE FROM AN EXTERNAL DEVICE

You can view images from VCR's or other external devices connected to your TV. Refer to Fig 2.1, Pg. 3, for external devices connections.

- Press TV/AV key on the remote control unit to select the video mode. 'AV' mode should be selected for watching VCR/VCP/VCD/DVD player. To select 'AV' mode using the front control buttons on the TV repeat the following steps.
- Press the 'MENU' key on the front control panel.
- Select 'INPUT' by using CHANNEL ▲ / ▼ and change viewing modes by using VOLUME + / - keys.

6. PICTURE MENU

Press the Menu Key once to access the Picture Menu (Fig 6.1). Press ▼ key.

- When at brightness, you can use the ◀ / ▶ key to decrease or increase the picture brightness.
- When at contrast, you can use the ◀ / ▶ key to decrease or increase the picture contrast.
- When at colour, you can use the ◀ / ▶ key to decrease or increase the picture colour.
- When at sharpness, you can use the ◀ / ▶ key to decrease or increase the picture sharpness.
- When at input, you can select the input source between TV / AV

Note:

Tint is displayed in the Picture Menu only when viewing images from an NTSC colour system in Video Mode. This is useful to change the hue of the picture.

- When at colour system, you can change picture colour system PAL & Auto colour system in TV mode.
- Auto, PAL, NTSC3 58, NTSC 4.43 in video mode.



Fig. 6.1

■ FAVOURITE

Press FAV key two times. Store the current programme of your choice in favourite list. Press FAV key and ◀ / ▶ key to surf through favourite channel list. Press FAV key three times to cancel current favourite channel.

■ CHANNEL MANAGER (Fig. 9.2)

- Press ▼ key to select Channel Manager option.
- Press ▶ keys to get into the sub-menu

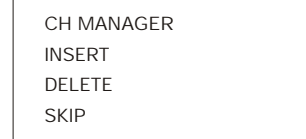


Fig. 9.2

INSERT

By using this option, user can store a particular program on any channel number the user desires.

- Select the program you want to store on a different channel number.
- Press Menu key
- Press ▶ three times
- Press ▼ till you come on Channel Manager option
- Press ▶, enter the channel number (using numeric keys) where you want to store the program
- Press ◀ / ▶, the program will be inserted at the selected Channel number.

DELETE

- Press ▶ while at CH MANAGER
- Press ▼ once to select DELETE
- Press ◀ / ▶ to delete the program

The particular program is deleted from the channel number, and all programs after that channel number are shifted up by one channel number.

SKIP

By using this option, user can SKIP a channel no.

- While at CH MANAGER Press ▶
- Press ▼ to come at SKIP option
- Press ◀ / ▶, user will be asked for a password. Enter the password
- Skip will be turned ON.

Next time when the user surfs the channels, the channel will be skipped.

9. FEATURE MENU

Press 'Menu' key. Press ► key thrice to select this option (Fig. 9.1)

■ BLUE BACK

If no signal is being received by the set, you can set the screen to display a pleasant blue colour background instead of the video noise by selecting 'BLUE-BACK'.

- In the 'FEATURES' submenu, use ▼ key to scroll down to 'BLUE BACK'.
- Pressing the ◀ / ▶ keys will toggle 'BLUE BACK' ON or OFF.

■ AUTO OFF

In TV mode, if no signal is received by the set for 10 minutes, you can set the TV to shut off automatically in the 'AUTO OFF/ON'.

- In the 'FEATURES' submenu, use ▼ key to scroll down to 'AUTO OFF'.
- Pressing ◀ / ▶ keys will toggle 'AUTO OFF' between ON and OFF.

◆ BLUE BACK	OFF
AUTO OFF	OFF
HOTEL MODE	OFF
DNR	OFF
BLACK STRETCH	OFF
CH MANAGER	
GAME	
PANEL LOCK	
LANGUAGE	

Fig. 9.1

■ HOTEL MODE

This mode helps is freezing the volume at its present value. Tuning control also turns inaccessible.

- Press ▼ key to select HOTEL MODE
- Press ► key. You will be asked for a password. On entering the password, 'HOTEL MODE' will be activated.

■ DNR (DIGITAL NOISE REDUCTION)

This feature reduces the picture noise

- Press ▼ key to select this option
 - Press ► key to select 'ON' or 'OFF'
- ON: Activates DNR - should be selected when viewing a noisy picture
OFF: Deactivates the DNR

Note: It is a performance feature and not demonstrable.

■ BLACK STRETCH

While at this option Press ◀ / ▶ key to set it to ON.

This enhances the contrast and picture details of the TV.

7. SOUND MENU

Press the 'MENU' key. Press ► key once to view the SOUND MENU

■ VOL-LOCK

The sound volume can be fixed at a certain maximum level beyond which the level will not rise further.

- Select 'VOL-LOCK' by pressing ◀ / ▶ key. You will be asked for a password.
- Enter the password. Volume Lock will be effective.

■ SOUND-SYS

You can select the sound system by pressing ◀ / ▶ key

BG, SUB-BG, I, DK/K1

- You can change low frequency response of audio by varying Bass control by using ◀ / ▶ key.
- You can change high frequency response of audio by varying TREBLE control by using ◀ / ▶ key.
- You can change Balance between the two speakers by varying BALANCE control by using ◀ / ▶ key.

VOL-LOCK	OFF
SOUND-SYS	BG
BASS	
TREBLE	
BALANCE	

Fig. 7.1

8. CHANNEL SCHEDULER

Press the 'MENU KEY'. Press ► key twice to arrive at CHANNEL SCHEDULER (Fig. 8.1)

■ CLOCK

This feature helps you set the time of the clock operating in the TV system

- After above operation, press ▼ key to select 'CLOCK' option.
- By pressing ◀ / ▶ key, it will help you shift between AM/PM.
- By pressing numeric keys time can be input.
- By pressing DISP key clock will be displayed on the TV screen. By pressing DISP once more, clock will disappear.
- If Main Power is switched off, the clock will stop.

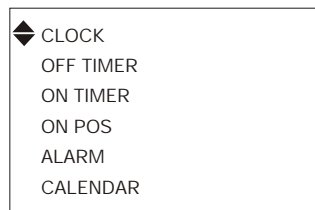


Fig. 8.1

Note: It is normal if the clock drifts by a few minutes over a period. It does not mean that the clock is malfunctioning.

■ OFF TIMER (To access this option, CLOCK has to be set)

This feature helps you to switch off the TV at desired times

- Press ▼ key to select OFF TIMER
- By pressing ►, AM/PM can be selected.
- By pressing numeric keys, off time can be set.
- Half a minute before switching off, a GOOD BYE message with remaining seconds countdown will appear on your screen.
- By pressing key on ALARM, alarm can be made ON/ENABLE.

■ ON TIMER

- This feature helps you switch on the TV at desired times of your choice.
- Press ▼ key to select ON TIMER
- By pressing ►, AM/PM can be selected

- By pressing numeric keys, on time can be input
- By pressing ▼ key, ON ALARM, Alarm can be made on/enabled.

■ ON POS

This option helps you set channel at which you want your TV to switch ON at the set time [ON TIMER]

- Press ▼ key to select ON POS option
- Press numeric keys to set the channel at which you want your TV to switch ON at set time [ON TIMER]
- Press ▼ key on ALARM, Alarm can be made on/enabled.

■ ALARM

You have to switch on the ALARM in order for the above timers to be effective

- Press ▼ key to select ALARM option
- Press ► key to switch it ON

Note: ALARM option can be selected only after the ON TIMER / OFF TIMER is set

■ CALENDAR

This option helps you access CALENDAR from year 1900-2099 While at Channel Scheduler option

- Press ▼ key to select CALENDAR option
- Press ► key to view CALENDAR
- Press ▲ / ▼ key to select month/year
- Press ◀ / ▶ key to surf through month/year.

ADJUSTMENT MANUAL -- 14DELITE/21DELITE(FLAT) PAL, STEREO, SINGLE AV

EEPROM MEMORY SETTINGS

SERVICE MENU SETTINGS

PARAMETER	Value	Remarks
1] VCJ ADJ.		(ADJUSTMENT ON LINE)
1: RF DLY	32	(ADJ) RF AGC ADJUSTMENT
2: VIF VCO	26	(FIX) AUTO VIF VCO ALIGN
3: STRAP	8	(FIX) AUTO SOUND TRAP ALIGN
4: SECAM BLK : R	32	NOT AVAILABLE FOR M61264
5: SECAM BLK : B	32	NOT AVAILABLE FOR M61264
2] RASTER ADJ		(ADJUSTMENT ON LINE)
1: VPOS	1	(ADJ) VERTICAL POSITION 50/60Hz
2: V-SIZ	40	(ADJ) VERTICAL HEIGHT 50Hz/60Hz
3: HC50	6	(ADJ) HOR CENTRE IN RF
4: HC60	9	(ADJ) HOR CENTRE IN NTSC
5: W-BACK	0	(FIX) WHITE BACK 1: SOAKING
6: VS-COR	42	(ADJ) VERTICAL S CORRECTION
7: V-LN	28	(ADJ) VERTICAL LINEARITY
3] CRT ADJ		(ADJUSTMENT ON LINE)
1: CR	127	(ADJ) CUT OFF RED
2: CG	127	(ADJ) CUT OFF GREEN
3: CB	127	(ADJ) CUT OFF BLUE
4: GR	63	(ADJ) DRIVE RED
5: GB	63	(ADJ) DRIVE BLUE
6: C RC	32	NOT AVAILABLE FOR M61264
7: C GC	32	NOT AVAILABLE FOR M61264
4] PICTURE ADJ		(ADJUSTMENT ON LINE)
1: SUB BRI	90	(ADJ) SUB BRIGHTNESS
2: SUB CON	10	(ADJ) SUB CONTRAST
5] SVC MENU		(FIXED ADJUSTMENT)
1: HVCO	3	(FIX) AUTO HOR VCO ALIGN
2: C-TRAP	2	(FIX) CHROMA TRAP FINE
3: S.TINT	50	(FIX) RF SUB TINT
4: S.TINTAV	50	(FIX) NTSC SUB TINT 4.43/3.57MHz
5: S.TINTYUV	32	NOT AVAILABLE FOR M61264
6: S.COL	17	(FIX) SUB COLOUR
7: C.ANGLE95	0	(FIX) FOR NTSC ANGLE
1: OSDLVL	1	(FIX) OSD LEVEL
2: Y-DL	4	(FIX) Y- DELAY
3: Y-DLSCM	10	NOT AVAILABLE FOR M61264
4: SCM KILLER	1	NOT AVAILABLE FOR M61264
5: SCMBGP	3	NOT AVAILABLE FOR M61264
6: VID.OUTGAIN	7	(FIX) VIDEO OUT GAIN
7: OM DET	0	(FIX) OVER MOD. DETECTION
1: S.SLICE DN	2	(FIX) SYNC SLICING
2: A.SLICEDN	1	(FIX) AUTO SYNC SLICING
3: V.SYNCDDET	0	(FIX) VERTICAL SYNC DETECT
4: V.1WIN	0	(FIX) WINDOW FOR V-SYNC
5: AFC1GUP	0	(FIX)
6: AFC2GDN	0	(FIX)

7: ABCL	0	(FIX) ACL + ABL
1: ABCL GAIN	0	(FIX)
2: BLK ST ADJ	3	(FIX) BLACK STRETCH
3: BLK ST GAIN	0	(FIX)
4: VIF FREQ	1	(FIX) 38.9MHz
5: VDL	0	NOT AVAILABLE FOR M61264
6: UDL	0	NOT AVAILABLE FOR M61264
7: CTI	1	(FIX) COLOUR TRANSIENT IMPROVE

1: IC SEL	1	(FIX) FOR M61264
2: AV	1	(FIX) FOR SINGLE AV
3: YUV	0	NOT AVAILABLE FOR M61264
4: OSD HPOS	14	(FIX) OSD HORZ POSITION
5: EEP EDIT	ADDR	DATA
	11	1A
	DA	6A
	DB	1B
	DC	8E
	DD	6A
	DE	83
	DF	E4
	E0	4C
	E1	32
	E2	8E
	E3	FF
	E4	FF
	E5	FF
	E6	FF
	100	A9
	101	10
	102	A0
	103	7
	104	4C
	105	87
	106	E4
	107	FF
	108	FF
	109	FF
	10A	FF
	7FF	FF

6: STEREO	1	0: MONO 1: STEREO
7: SND SYS	0	(FIX) SOUND SYSTEM

1: HPS	0	(FIX) HEADPHONE SENSE
2: SSM	SSM	BASS TREBBLE
	NEWS	8 8
	MUSIC	10 12
	SPORTS	10 10
	THEATRE	12 10
	PERSONAL	15 15
3: VSM	VSM	BRT CON COL SHP TINT
	NEWS	30 45 30 30 30
	MUSIC	30 40 30 25 30
	SPORTS	35 50 40 40 30
	THEATRE	40 55 35 35 30
	D1	20 30 30 30 30
	D2	25 35 30 30 30
	D3	30 40 30 30 30

	D4	35	45	30	30	30
	D5	40	50	30	30	30
	PERSONAL	30	60	30	30	30
4: ZOOM	47	(ADJ) VERTICAL ZOOM				
5: WIDE	15	(FIX) WIDE				
6: RM	0	(FIX) RED MATRIX GAIN				
7: D EYE	1	(FIX) DIGITAL EYE				

1: COOL	15	(FIX) SKIN TONE				
2: WARM	15	(FIX) SKIN TONE				
3: CS	1	(FIX) CHILD SAFE				
4: TR	1	(FIX) TIMER RETURN				
5: BATT	0	(FIX) BATTERY MODE				
6: YEL	20	(FIX) YELOW BAR START				
7: RED	40	(FIX) RED BAR START				

1: EXP	0	(FIX) EXPORT AV REQUIREMENT				
2: SBASSL	13	(FIX) SUBBASS BELOW VOL LVL				
3: SBASSH	15	(FIX) SUBBASS ABOVE VOL LVL				
4: STREB	13	(FIX) SUB TREBBLE				
5: PB	0	(FIX) POWER BASS				
6: SR	0	(FIX) SURROUND				
7: AA	94	(FIX) RF AUDIO ATTENUATION				

1: BVL	42	(FIX) SUBBASS VOL LEVEL				
2 : MXSP	50	(FIX) MAXIMUM SHARPNESS				
3: COLOUR1	1	(FIX) OSD COLOUR				
4: COLOUR2	1	(FIX) OSD COLOUR				
5: COLOUR3	1	(FIX) OSD COLOUR				
6: LANG	0	(FIX) LANGUAGE				
7: MIN CONT	15	(FIX) MINIMUM CONTRAST				

1: RC	0	(FIX) 0: RP12, 1: RC115				
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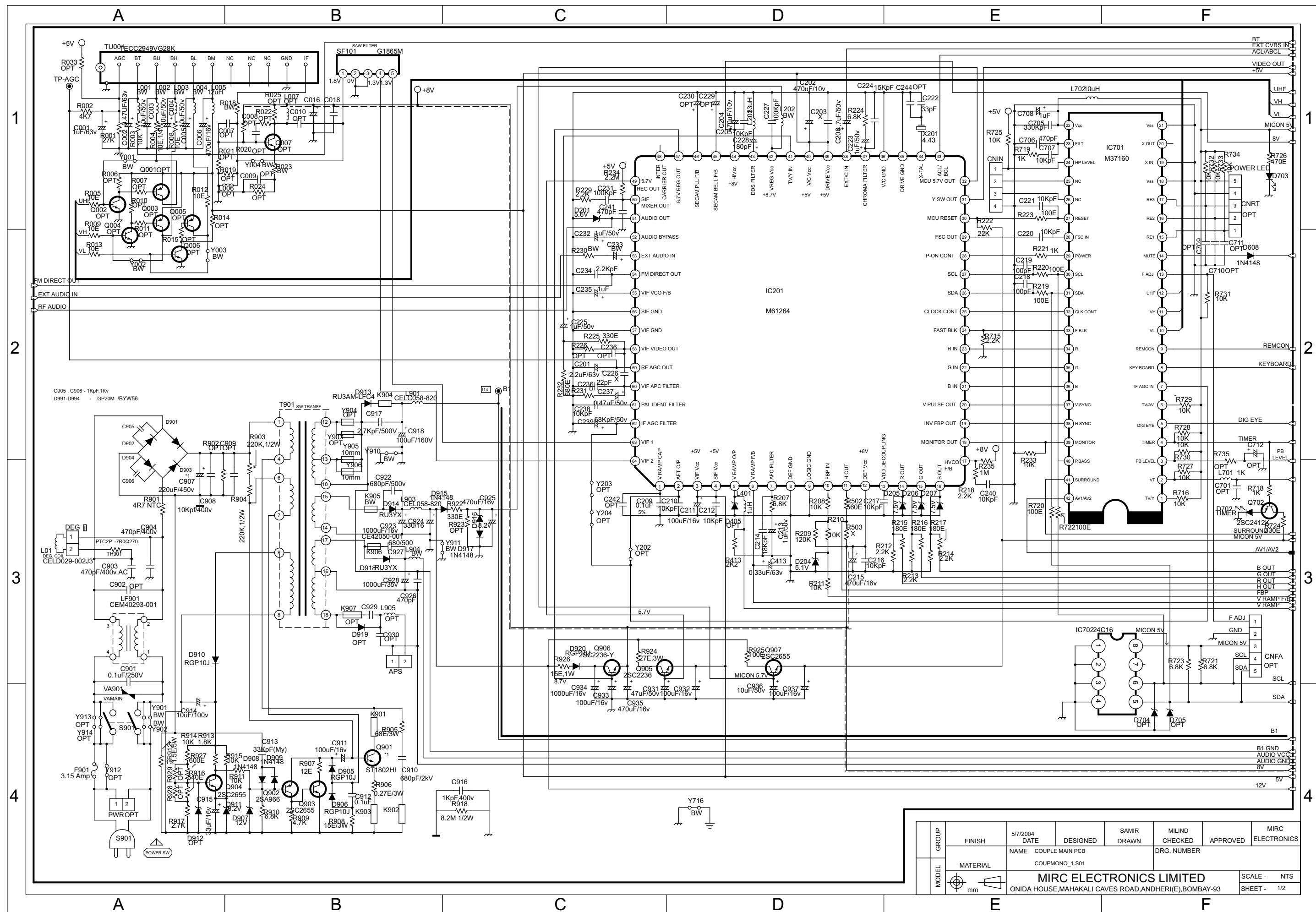
USER SETTINGS		
CHANNEL NO.	1	
VSM	THEATER	
VOL	10	
DIG EYE	OFF	
SKIN TONE	NORMAL	
STANDBY	OFF	
MUSIC MODE	OFF	
SLEEP	OFF	
COL SYS	PAL	
ZOOM	NORMAL	
CHILD SAFE/ TIMER RETURN	OFF	
SOUND SYS	B,G	
VOL LOCK	OFF	
BLUE BACK	OFF	
AUTO OFF	OFF	
HOTEL MODE	OFF	
BLACK STRETCH	ON	
DNR	OFF	
PANEL LOCK	OFF	
MESSAGE	OFF	
AFT	ON	
PASSWORD	5963	MASTER PASSWORD


Exclusive part of model - 14Delite

Part No.	Old Part No.	Part name	Qty
11002258	E1MCC61610-301A	COIL WIDTH 300uH 616	1
11002266	E1MCC63075-120A	COIL C 12uH,10x12 CO	1
11002428	E1MWT40293-M01A	LINE FILTER 40293-M0	1
11002978	E1SDIMA3120(M)-X	DIODE ZENER CHIP MA3	1
11003027	E1SDIMTZJ4.7(A)-T2	DIODE ZENER MTZJ4.7(	3
11003029	E1SDIMTZJ5.1(B)-T2	DIODE ZENER MTZJ5.1(	1
11003032	E1SDIMTZJ5.6(B)-T2	DIODE ZENER MTZJ5.6(	2
11003038	E1SDIMTZJ7.5(B)-T2	DIODE ZENER MTZJ7.5(	3
11003042	E1SDIMTZJ8.2(C)-T2	DIODE ZENER MTZJ8.2(	2
11003677	E1SFSG1865M	SAW FILTER G1865M	1
11003868	E1SICAN5522	IC VERT OUT AN5522	1
11003912	E1SICGP1UX501QS	IC IR D UNIT GP1UX5	1
11003982	E1SICM61264FP	IC CHROMA ULTIMA COU	1
11004097	E1SICTDA2616	IC AUDIO TDA2616	1
11004121	E1SICTDA7449D	IC AUDIO PROCESSOR (	1
11004184	E1SICUPC574J	IC (ZENER REGULATOR)	1
11004362	E1SPC40631-M01A	POWER CORD (IGO) 406	1
11005032	E1SRH017J-1R8	RES FUSI-1E8,1W,+/-5	1
11005352	E1SRW052J-R27	RES WW-.27E,5W,+/-5%	1
11005359	E1SRW054J-R50	RES WW-SLIM,VERT 0.5	1
11005527	E1STCA34JAE10XD	CPT 14",D TYPE YOKE	1
11005661	E1STR2SC2236(Y)	TRANSISTOR SI 2SC223	2
11005666	E1STR2SC2655(Y)	TRANSISTOR SI 2SC265	3
11005735	E1STRBF420	TRANSISTOR SI BF420	3
11009276	E1STUWV05I-214A	TUNER WSP VST 5V PAN	1
11009343	E1MSFC0202-412A	SPK 2 1/4"X5",8OHMS,	2
11011272	E1SETB1VJ-228	CAP ELE-2200MFD,35V,	1
11011763	E1SSCM14002-S01	CRT SOCKET 14" ULTIM	1
11011787	E1STRST1802FH	TRANSISTOR POWER TO-	1
11011789	E1STRST1803DFH	TRANSISTOR POWER TO-	1
11021135	E1MWS40702-M01E	TRANSFORMER SW 21 IG	1
11021327	E1MICM37160-201FP	IC MICON IGO ULTIMA	1
11021331	M1TPL30932-M01A	POWER KNOB 14R IGO E	1
11021340	M1TPL30936-M01A	MENU RING 14R IGO EL	1
11021802	E1SRCRP-12	REMOTE CONTROL RP-12	1
11022128	M1TPL41052-M01A	SENSOR BASE 14 IGO E	1
11023122	A2APL20255-M01A	ASSY CONTROL KNOB 14	1
12001957	A2NPB10219-M11A	MAIN ASSY 14 IGO ELI	1
12001961	A4NPB10219-M11A	MAIN ASSY 14IGO ELIT	1
12001970	M1TFC10256-M01A	F CAB 14R IGO ELITE	1
12001971	M2TFC10256-M01A	F CAB UNPAINTED 14R	1
12001972	M1TBC10257-M01A	R COVER 14R IGO ELIT	1
12002283	M1TPA10262-M01A	CUSHION 14IGO ELITE	1
12002623	A2AFC10256-M01A	ASSY F CAB 14 DELITE	1
13000491	M1TPA41082-M01A	P CASE 14IGO DELITE	1

Exclusive part of model - 21Delite

Part No.	Old Part No.	Part name	Qty
11002307	E1MWFL20007-H01A	FBT 3G/UOC20/21 L200	1
11002428	E1MWT40293-M01A	LINE FILTER 40293-M0	1
11002431	E1MWW40221-M01A	WIDTH COIL 40221-M01	1
11002822	E1SDE40407-M01A	COIL DEG 21PF 40407-	1
11002978	E1SDIMA3120(M)-X	DIODE ZENER CHIP MA3	1
11003011	E1SDIMTZJ12(C)-T2	DIODE ZENER MTZJ12(C)	1
11003012	E1SDIMTZJ13(B)-T2	DIODE ZENER MTZJ13(B)	6
11003027	E1SDIMTZJ4.7(A)-T2	DIODE ZENER MTZJ4.7(	3
11003029	E1SDIMTZJ5.1(B)-T2	DIODE ZENER MTZJ5.1(	1
11003032	E1SDIMTZJ5.6(B)-T2	DIODE ZENER MTZJ5.6(	2
11003038	E1SDIMTZJ7.5(B)-T2	DIODE ZENER MTZJ7.5(	3
11003042	E1SDIMTZJ8.2(C)-T2	DIODE ZENER MTZJ8.2(	2
11003275	E1SEN51HM-106Z	CAP BPE-10MFD,50V,+/-	6
11003358	E1SETB1CM-107Z	CAP ELE-100MFD,16V,+	6
11003360	E1SETB1CM-108Z	CAP ELE-1000MFD,16V,	2
11003363	E1SETB1CM-227Z	CAP ELE-220MFD,16V,+	1
11003366	E1SETB1CM-336Z	CAP ELE-33MFD,16V,+/-	1
11003367	E1SETB1CM-337Z	CAP ELE-330MFD,16V,+	1
11003371	E1SETB1CM-477Z	CAP ELE-470MFD,16V,+	8
11003409	E1SETB1JM-334Z	CAP ELE-0.33MFD,63V,	1
11003411	E1SETB1JM-336Z	CAP ELE-33MFD,63V,+/-	1
11003412	E1SETB1JM-474Z	CAP ELE-0.47MFD,63V,	1
11003429	E1SETB2AM-106Z	CAP ELE-10MFD,100V,/	1
11003460	E1SEZ0203-476	CAP ELE-47MFD,160V,1	1
11003482	E1SFC0443320-49U1	CRYSTAL 4.43MHz 0443	1
11003677	E1SFSG1865M	SAW FILTER G1865M	1
11003868	E1SICAN5522	IC VERT OUT AN5522	1
11003912	E1SICGP1UX501QS	IC IR D UNIT GP1UX5	1
11003982	E1SICM61264FP	IC CHROMA ULTIMA COU	1
11004097	E1SICTDA2616	IC AUDIO TDA2616	1
11004121	E1SICTDA7449D	IC AUDIO PROCESSOR (	1
11004184	E1SICUPC574J	IC (ZENER REGULATOR)	1
11004362	E1SPC40631-M01A	POWER CORD (IGO) 406	1
11005032	E1SRH017J-1R8	RES FUSI-1E8,1W,+/-5	1
11005352	E1SRW052J-R27	RES WW-.27E,5W,+/-5%	1
11005359	E1SRW054J-R50	RES WW-SLIM,VERT 0.5	1
11005661	E1STR2SC2236(Y)	TRANSISTOR SI 2SC223	2
11005666	E1STR2SC2655(Y)	TRANSISTOR SI 2SC265	3
11005735	E1STRBF420	TRANSISTOR SI BF420	3
11005794	E1STRST1802HI	TRANSISTOR POWER ST1	1
11007283	M1THS30586-M01A	HEAT SINK VERTICAL 3	1
11009276	E1STUWV05I-214A	TUNER WSP VST 5V PAN	1
11011272	E1SETB1VJ-228	CAP ELE-2200MFD,35V,	1
11021135	E1MWS40702-M01E	TRANSFORMER SW 21 IG	1
11021327	E1MICM37160-201FP	IC MICON IGO ULTIMA	1
11021329	M1TPL30927-M01A	POWER KNOB 21F IGO E	1
11021332	M1TPL30928-M01A	LED LENSE 21F IGO EL	1
11021339	M1TPL30931-M01A	MENU RING 21F IGO EL	1
11021597	E1STCA51LZQ101X236	CPT 21" PF A51LZQ101	1
11021802	E1SRCRP-12	REMOTE CONTROL RP-12	1
11022128	M1TPL41052-M01A	SENSOR BASE 14 IGO E	1
11022241	M1THS36653-C02B	HEAT SINK 36653-C02B	1
11022879	M1TPB10219-M11C	PCB MAIN ULTIMA COUP	1
11022971	E1MSFC0204-412A	SPK 2 1/4x5",8OHM,12	2
12001965	M1TFC10253-M01A	F CAB 21F IGO ELITE	1
12001966	M2TFC10253-M01A	F CAB UNPAINTED 21F	1
12001967	M1TBC10255-M01A	R COVER 21F IGO ELIT	1
12002155	M1TPA10260-M01A	CUSHION 21IGO ELITE	1
12002541	A2MPB10219-M11A	MAIN PB ASSY 21 DELI	1
12002542	A4MPB10219-M11A	MAIN PB ASSY 21 DELI	1
12002622	A2AFC10253-M01A	ASSY F CAB 21F IGO E	1
13000381	M1TPA41075 M01A	P CASE 21 IGO DELITE	1



	GROUP	FINISH	5/7/2004 DATE	DESIGNED	SAMIR DRAWN	MILIND CHECKED	APPROVED	MIRC ELECTRONICS
			NAME	COUPLE MAIN PCB			DRG. NUMBER	
	MODEL	MATERIAL	COUPMONO_1.S01					
			MIRC ELECTRONICS LIMITED					SCALE - NTS
		ONIDA HOUSE, MAHAKALI CAVES ROAD, ANDHERI (E), BOMBAY-93					SHEET - 1/2	

