



e'Scape

*Digital Alarm &
Voice Evacuation System*

**Installation, Commissioning & Operating
user Manual**

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1.Product Description:

e'Scape is for the purpose of making announcements, conveying information and messages needed in a particular location or zone. This find, wide application in large areas like Hotels, Offices, Hospitals, Factories, commercial complexes, Airports, Education Institutions and Auditoriums. The consoles comes in a range begins from 16 Zone Expandable upto 128 zones with multiplication of 16zones. This console is user friendly system with option of zone selection for individual zone announcement and common announcement through microphones.

Product Features:

- * Operates on 220V 50 Hz, AC Main switch mode power supply.
- * Standby backup 24VDC battery.
- * 19", Rack mountable.
- * System ON, Power Fault, Common fault indications.
- * Membrane Keypad for user friendly operation.
- * Inbuilt amplifier maximum 125 / 250 watts can accommodate in a console.
- * Additional Amplifier can expand up to 250W.
- * One Inbuilt Microphone for announcement.
- * Zone Wise (Speaker line) Selection facility with LED indication.
- * Voice / Alarm / Allcall selection facility
- * MIC mode selection facility.
- * Programmable Mode (Alarm, Mic, Music, DVA) selection facility.
- * 100V audio output for Speaker.
- * Alarm activated on automatically announcing mode.
- * Compatible with Avani via RS 485 Communication.

* Voice recording option available only with 250w Amplifier combination.

* DVD Input Facility.

* Zone expansion in Multiples of 16.

Specification:

Primary Power : 220VAC \pm 10%, 50 Hz.

Standby Power : 24VDC

Charging Circuit

Charging Voltage : 28 V \pm 0.2V Nominal

Charging Current : 1.2A (Max.).

Temperature:

Operating Temperature : 0 - 49° C/32-120° F.

Relative Humidity : 93 \pm 2% RH (non-condensing) at 32 \pm 2° C/90 \pm 3° F.

DC Output : 24 VDC @ Max 3A

Audio

audio output : 100V

Max Wattage : Built-in 125W / 250W ; 500W Max.

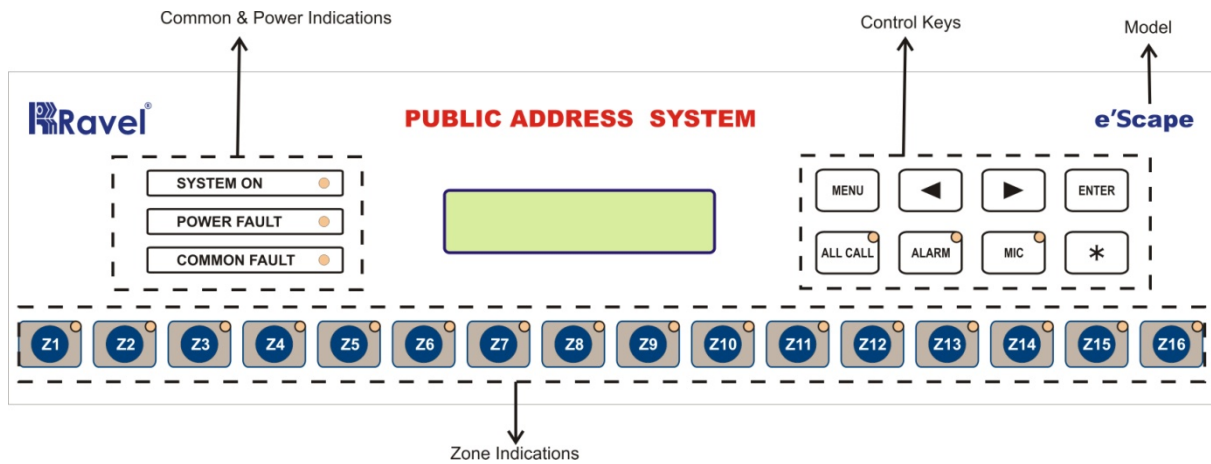
Audio Input : Inbuilt MIC & Alarm tone

MIC Type : Hand mobile

Communication Interface : RS-485

Dimensions(3U) : (484 W X 134 H X 325 D)mm

2. Control and Indications



LED Indication

System ON – Green

Power Fault– Yellow

Common Fault– Yellow

Allcall– Yellow

Alarm– Red

MIC– Yellow

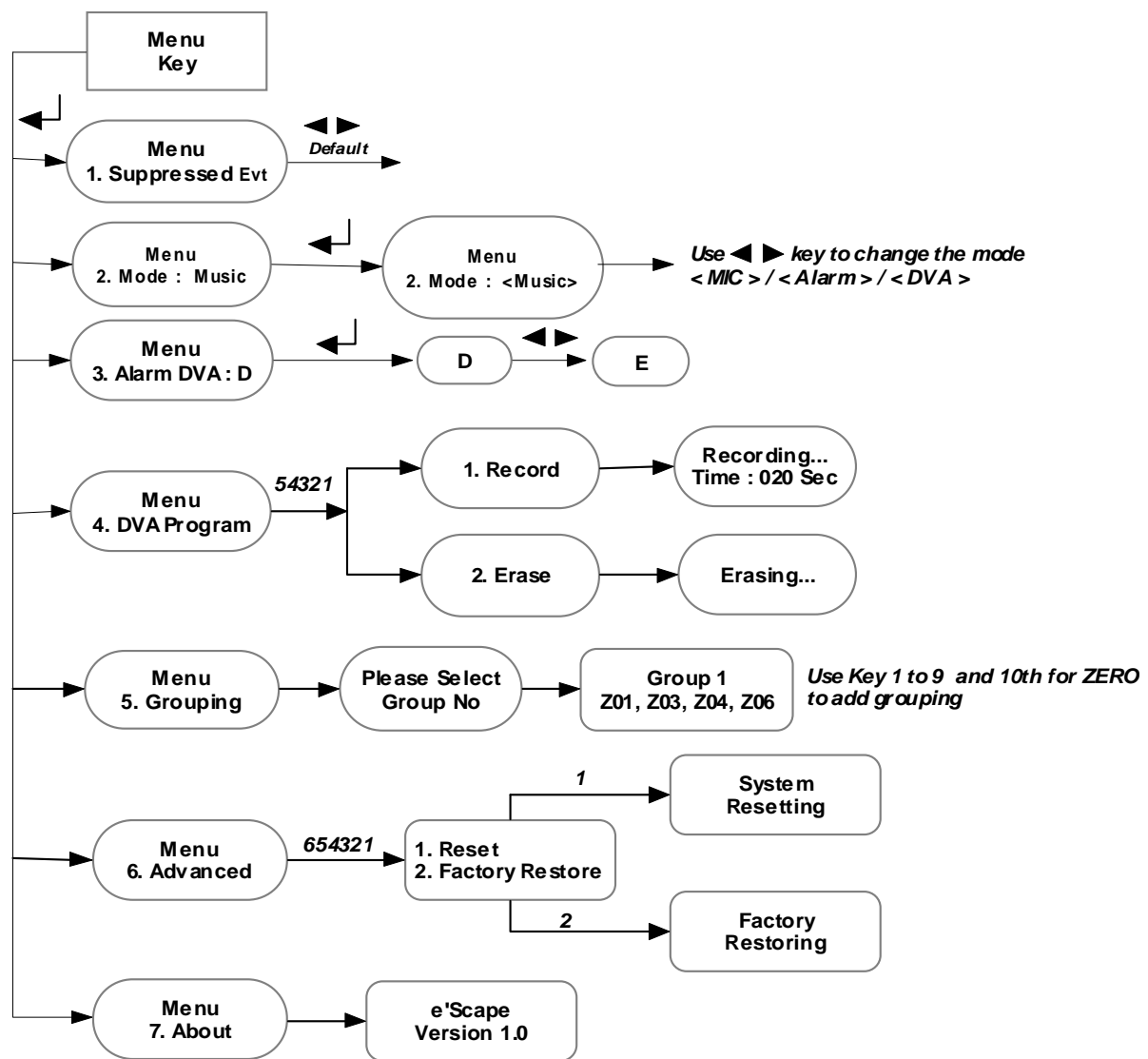
Connection diagram



e'Scape is compatible with AVANI Addressable FACP

3. Program

MENU KEY - FLOW DIAGRAM

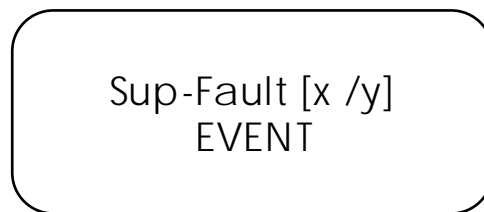


Note:

1. Use Cursor key (◀ ▶) to move the menu list and to interchange the status of the menu.
2. Use Enter Key (↵) to select the menu list and conform the change of the status.

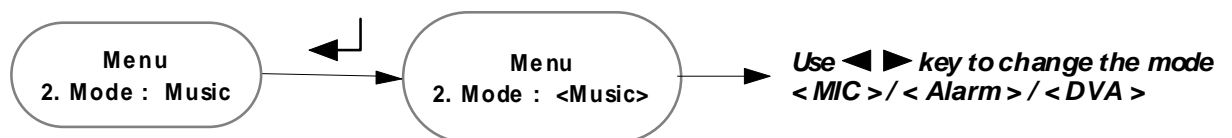
Suppressed Events

From the Suppressed Fault Event program screen, By pressing the “Enter” key the system enters into the Suppressed Fault Event. In this mode the suppressed fault events can be viewed sequentially using the right / left arrow keys during zone output is ON condition. After entering the suppressed fault events, screen will be as below. The Suppressed event will be amplifier power fault, Zone Faults.



Mode

Mode Selection is selected by using the cursor key, then Enter Key to choose the mode. The e'Scape has Four types of mode namely Alarm, MIC, Music & DVA. In this modes Display as shown below. By default it is in Music Mode.



Alarm Mode:

The alarm mode shall be selected manually from keypad or automatically through the AVANI via RS485. If the alarm mode is selected manually then the corresponding zone to be select to give alarm. The selected zone and mode shall be identified by corresponding LED's and also shown in LCD.

If there is a Fault, LCD screen display will be shown below.

**A Fault [X/Y]
Type of Fault**

Where "A" represents in Alarm mode.

In System Healthy screen the LCD display will be

**Alarm Mode
System Healthy**

Mic Mode:

The MIC mode is used to announce the invitation / some messages / information to particular zone by selecting that particular zone with continuation of MIC mode switch. If the MIC mode is selected manually then the corresponding zone to be select to give alarm. The selected zone and mode shall be identified by corresponding LED's and also shown in LCD.

If there is a Fault , LCD screen display will be shown below.

**M Fault [X/Y]
Type of Fault**

Where "M" represents in Mic mode.

In Normal System Healthy screen the LCD display will be

**MIC Mode
System Healthy**

Note: If the Alarm signal is received from FACP via RS485, then e'Scape automatically changes to alarm mode with corresponding Zone.

Music Mode:

The Music mode is used to Play Music file that connected via DVD I/P, information to particular zone by selecting that particular zone

with continuation of Music mode switch. If the Music mode is selected manually then the corresponding zone to be select to give alarm. The selected zone and mode shall be identified by corresponding LED's and also shown in LCD.

If there is a Fault , LCD screen display will be shown below.

**S Fault [X/Y]
Type of Fault**

Where "S" represents in Music mode.

In Normal System Healthy screen the LCD display will be

**Music Mode
System Healthy**

DVA Mode:

The DVA mode is used to Play Recorded Messages, information to particular zone by selecting that particular zone with continuation of DVA mode switch. If the DVA mode is selected manually then the corresponding zone to be select to give alarm. The selected zone and mode shall be identified by corresponding LED's and also shown in LCD.

If there is a Fault , LCD screen display will be shown below.

**V Fault [X/Y]
Type of Fault**

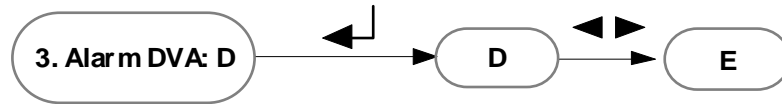
Where "V" represents in DVA mode .

In Normal System Healthy screen the LCD display will be

**DVA Mode
System Healthy**

Alarm DVA

Alarm DVA is selected by pressing the no '3' from the menu screen. The LCD Display will be shown below.



D – Disable ; E- Enable

Press Left / Right Key to Enable / Disable the Alarm DVA.

Note:-

If Alarm DVA is in Disable mode, then if any fire is detected wailing tone will played

If Alarm DVA is in Enable mode, then if any fire is detected Recorded Message will played

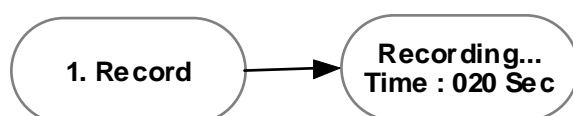
DVA Program

Access to programming is possible only by Admin password (Default Password – 54321).

By selecting the number 4 from the menu screen, system enters into the program mode. We can Record a voice and Erase a voice in this mode.

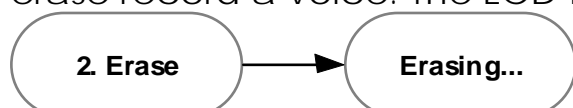
A) Record.

By pressing the number 1 from the Program screen, the we can record a voice. The time delay range is 1 to 60 Seconds. The LCD Display shows as follows.



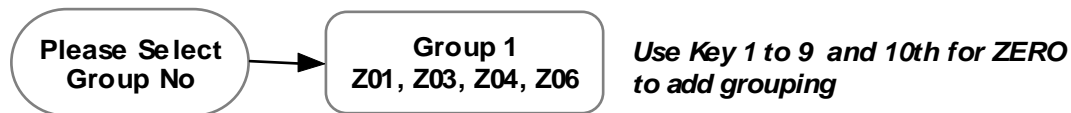
B) Erase

By pressing the number 2 from the Program screen, then we can erase record a voice. The LCD Display shows as follows.



Grouping

By pressing the number 5 from the Program screen, it enters into grouping mode. We can add maximum 4 zone per Group. Use Key 1 to 9 & Key10 for Zero key.

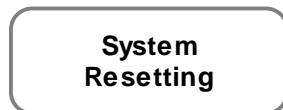


Advanced

Access to advanced is possible only by Advanced password (Default Password – 654321).

By selecting the number 6 from the menu screen, system enters into the advanced mode. Here there are two sub headings Set Slave & Configure are available.

A) ResetThe LCD Display of the Reset is shown below.



B) Factory RestoreThe LCD Display of the Configure is shown below.



About

From this menu, by entering 'ENTER' key, system enters into the about screen. The LCD shows as follows with the details of the model and version.





RAVEL ELECTRONICS PVT. LTD

No. 150-A, Elec. Indsl. Estate, Perungudi, chennai – 600 096. India
Tel.: 24961004 / 24960825 Fax: 044-4204 9599
Email: marketing@ravelfire.com
Web: www.ravelfire.com



DATE:

TEST CERTIFICATE

We hereby certify that the items detailed hereon have been manufactured, inspected and electrically tested to ensure the compliance with Ravel Product and process specification.

Model No.: e'Scape

Serial No.:

No. of Zones:

For RAVEL ELECTRONICS PVT.LTD,

Q.C. – Engineer

Tested By



RAVEL ELECTRONICS PVT. LTD

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Email: marketing@ravelfire.com
Web: www.ravelfire.com



WARRANTY CERTIFICATE

Model No.: e'Scape

Serial No.:

Ravel Electronics warrants each product to be free from defects in material and workmanship. This obligation is limited to servicing or part returned to the company for that purpose and making good any parts thereof which shall be within warranty period, returned to the company under a written intimation and which to the company's satisfaction to be found defective. The company reserves the right to decide the workplace for the repair work. The freight for defective material will have to be borne by the purchaser, and the transit risk for such material will rest with the purchaser.

This warranty will last for a period of **12 months** from the date of Invoice of the product from the factory. The warranty is applicable only if the product is used within its specifications. The warranty for the replaced components will lapse along with that of the main product.

THIS WARRANTY IS VALID UP TO: 12 months from the date of invoice

Authorised Signatory

Ravel Electronics Pvt Ltd.,

150A, Electronic Industrial Estate,
Perungudi, Chennai – 600096, India.

Web: www.ravelfire.com

Email: marketing@ravelfire.com