

# Sky Eye Transloading Alarm Panel



USER GUIDE  
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# Sky Eye Transloading Alarm Panel User Manual

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## Introduction

The Sky Eye transloading alarm panel is used for overfill protection and pressure protection. It normally consists of two sensing instruments, a pressure transmitter and a level switch to detect this conditions. Other operator entered factors are also brought in such as using pre-set mass and volume limits. Operators are able to select two different pressure set points one is to warn operators and truck drivers that pressure is at a point that is concerning but not considered dangerous. The ESD alarm set point warns operators and truck drivers to stop pumping immediately and a critical pressure has been reached.

# Menu Architecture

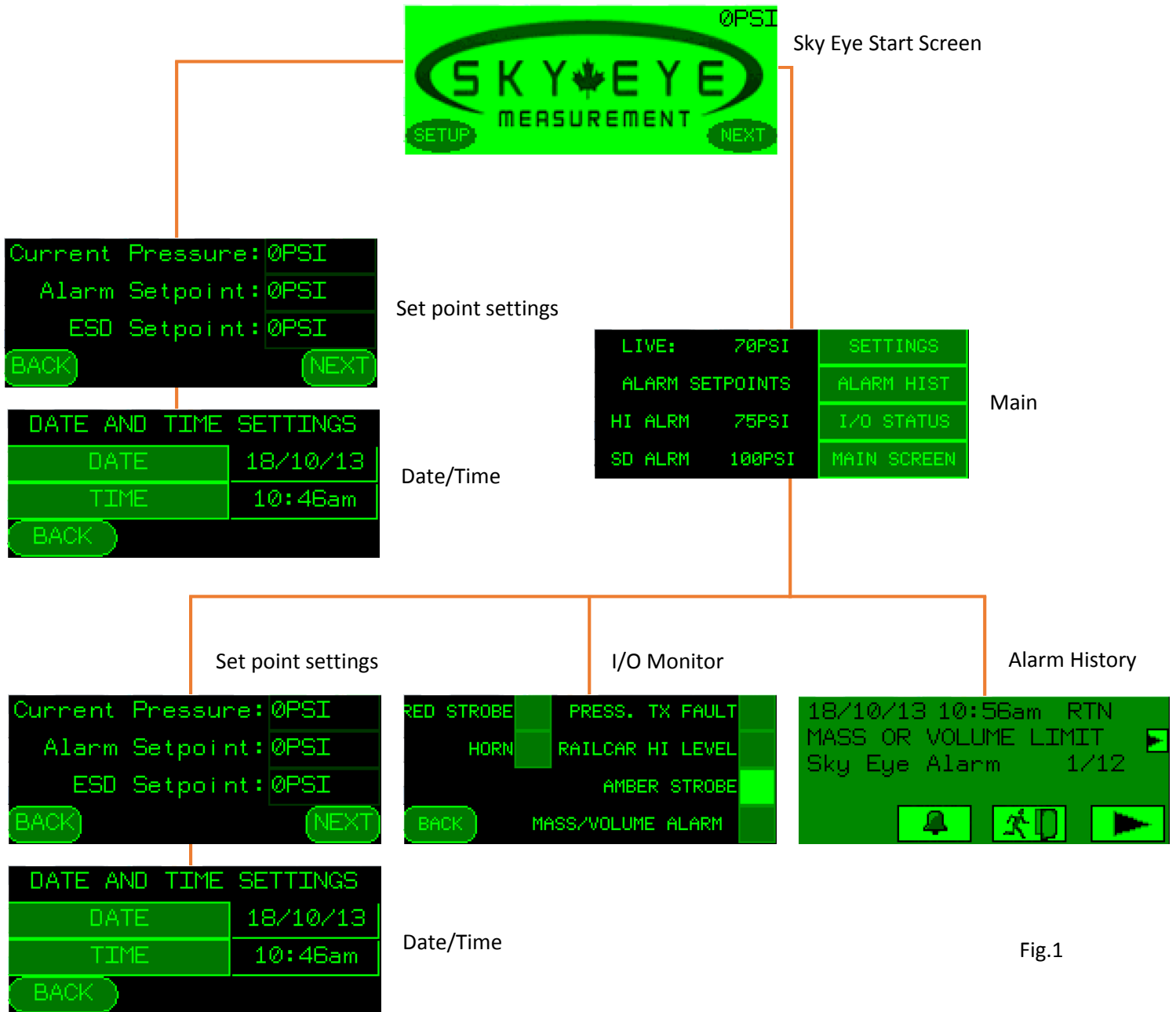


Fig.1

## Basic Overview

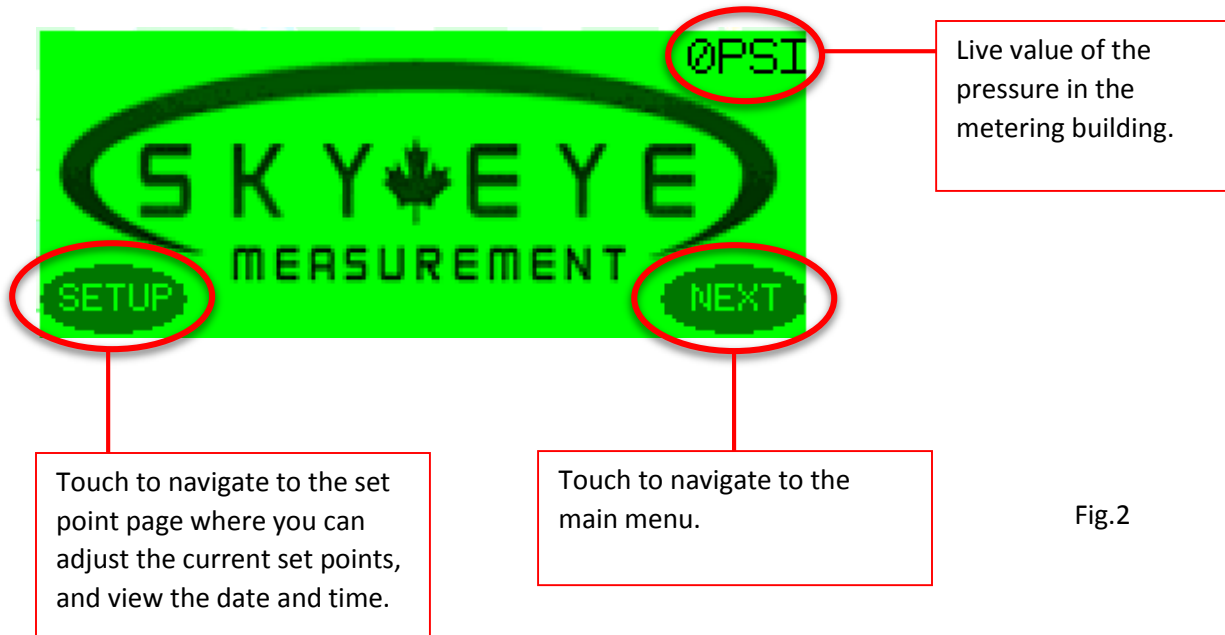


Fig.2

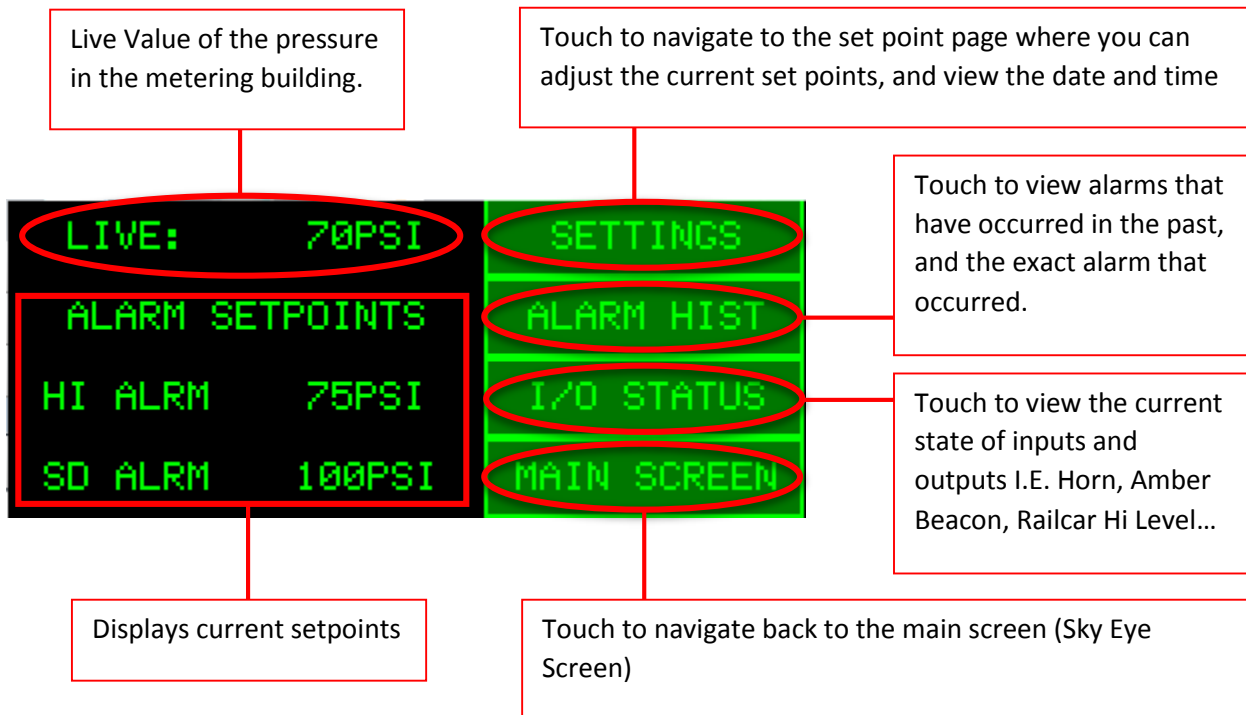
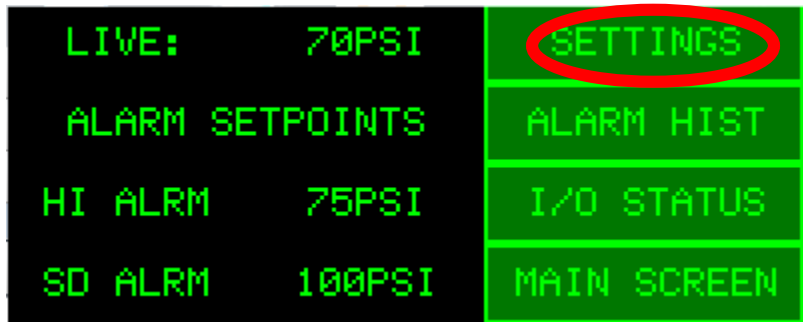


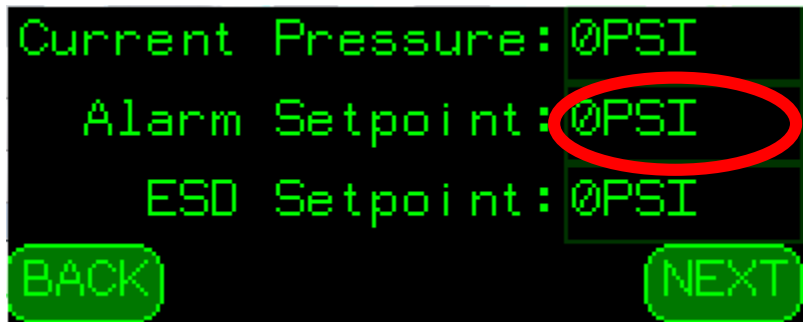
Fig.3

## Changing Set Points

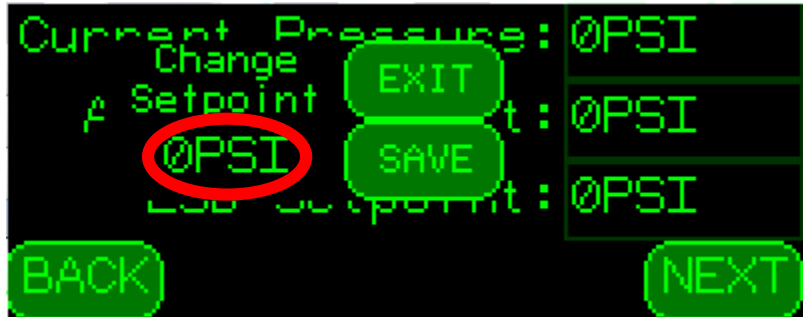
START BY TOUCHING THE SETTINGS BUTTON. THIS WILL NAVIGATE YOU TO THE SET POINT PAGE



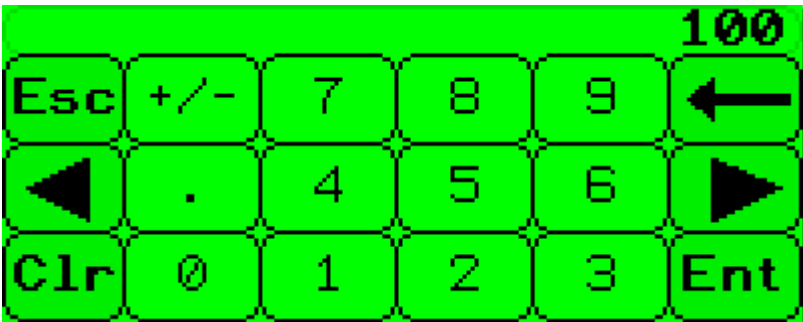
TOUCH THE SET POINT YOU WOULD LIKE TO CHANGE. [GO TO PG.6 TO VIEW CAUSE AND EFFECTS]



TOUCH THE CURRENT SET PRESSURE TO OPEN THE KEYBOARD INPUT.

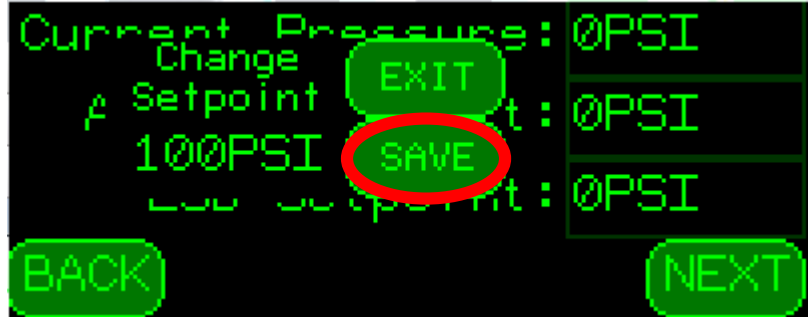


ENTER YOUR DESIRED SET POINT PRESS THEN PRESS ENTER.

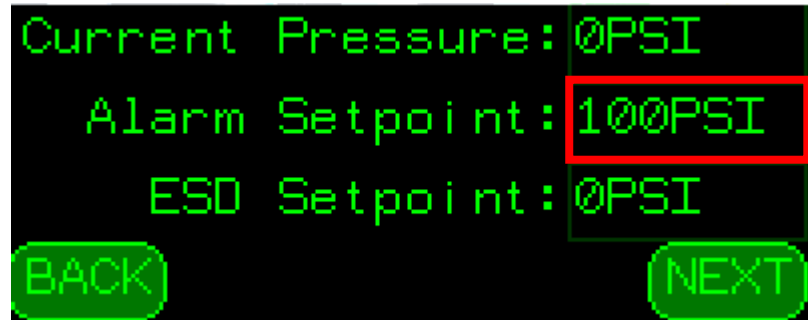


## Changing Set Points

NOW TOUCH SAVE TO  
APPLY THE NEW SET POINT  
TO THE SYSTEM.



THE SET POINT HAS BEEN  
SAVED AND IT NOW CAN BE  
VIEWED .



Repeat the same steps as above to change either alarm set point or ESD set point.



## Alarms

The following describes the alarms that can occur and what effects they will have.

### Hi Pressure Alarm

- Amber beacon flashing
- Horn pulsing every three seconds
- Banner crossing screen "Hi Pressure Warning! Warning!"

### Hi Pressure Emergency Shutdown

- Red beacon flashing
- Horn on continuous
- Banner crossing screen "Shutdown Hi Pressure Stop Pump!!"

### Mass or Volume Alarm

- Red beacon Flashing
- Horn on continuous
- Banner crossing screen "Mass or Volume Limit Reached Stop Pump!!"

### Railcar Hi Level

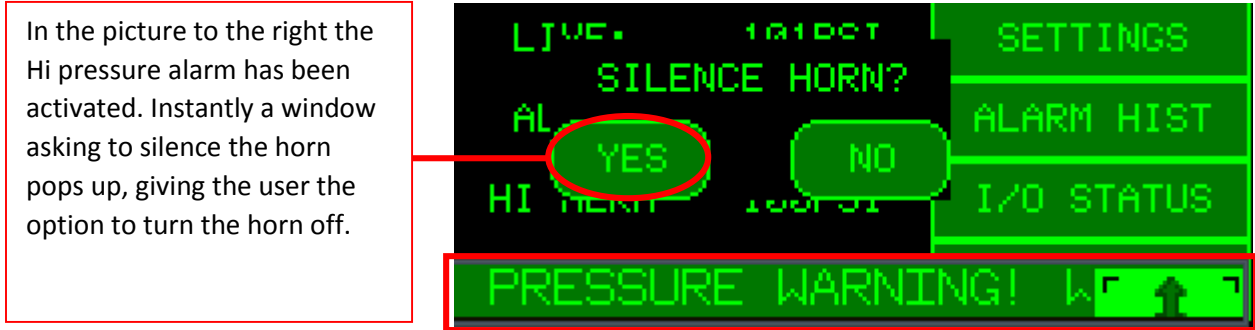
- Red Beacon Flashing
- Horn on continuous
- Banner crossing screen "Rail Car Hi Level Stop Pump!!"

### Pressure Transmitter Fault

- Amber Beacon Flashing
- Banner crossing Screen "Pressure Tx Fault check Power"

# Alarms

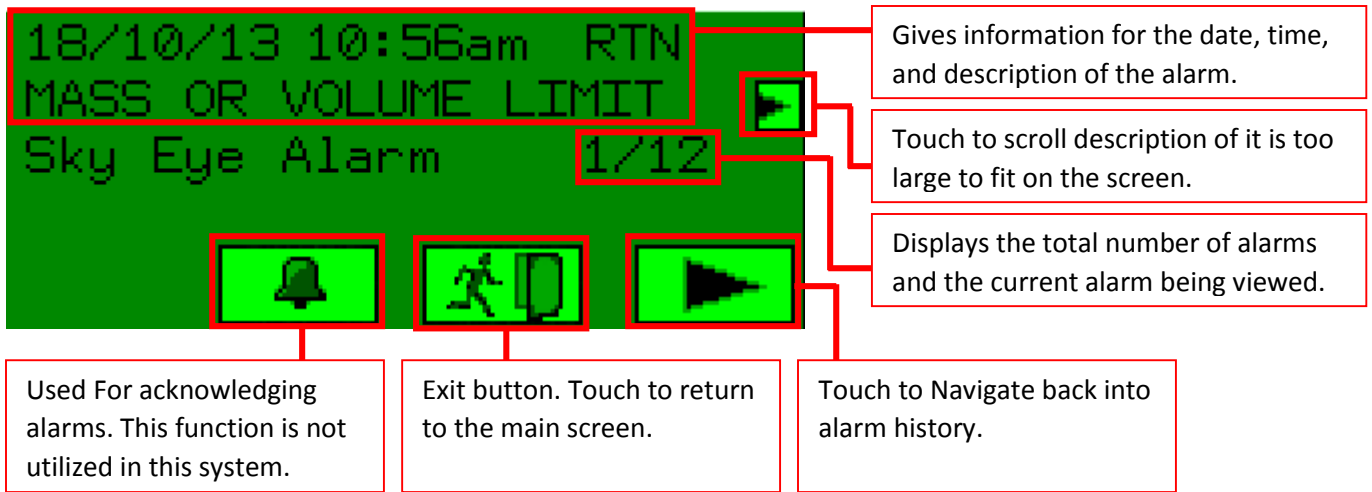
- Alarms that cause the horn to be activated have the option to be silenced.



In the picture to the right the Hi pressure alarm has been activated. Instantly a window asking to silence the horn pops up, giving the user the option to turn the horn off.

Alarm banner. It will pop up when an alarm is present, and display the alarm description. Pressing the up arrow will move the banner up. Once the alarm is gone the banner will automatically disappear.

- Once all the alarms have returned to normal the horn will automatically reset to be audible again.
- Previous alarms can be viewed at any time using the alarm history page.



18/10/13 10:56am RTN  
MASS OR VOLUME LIMIT

Gives information for the date, time, and description of the alarm.



Touch to scroll description of it is too large to fit on the screen.

1/12

Displays the total number of alarms and the current alarm being viewed.



Used For acknowledging alarms. This function is not utilized in this system.



Exit button. Touch to return to the main screen.



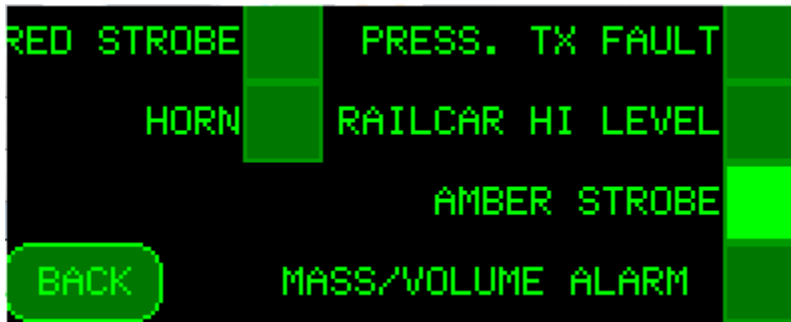
Touch to Navigate back into alarm history.





## I/O Monitor

- The Input/Output monitor is used for troubleshooting and quick identification of active devices. In the picture below the amber strobe is shown as active while all other devices and alarms are shown as inactive.



## Troubleshooting

- PLC/Device timeout from Sky Eye Measurement. The cause of this alarm is loss of communication between the HMI screen and the smart relay. Check power to smart relay and connections.
- Pressure transmitter fault. Check fuse for pressure transmitter.
- For any other troubleshooting call Sky Eye Measurement technicians.

## Contact

### **Sky Eye Measurement**

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