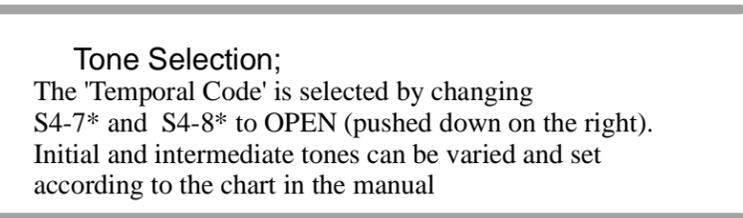
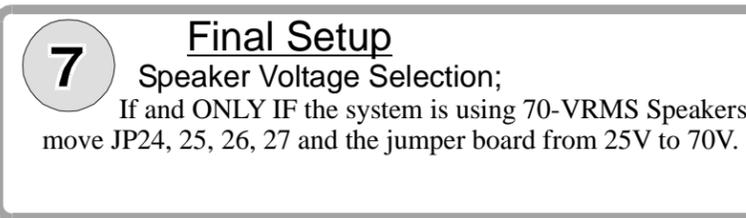
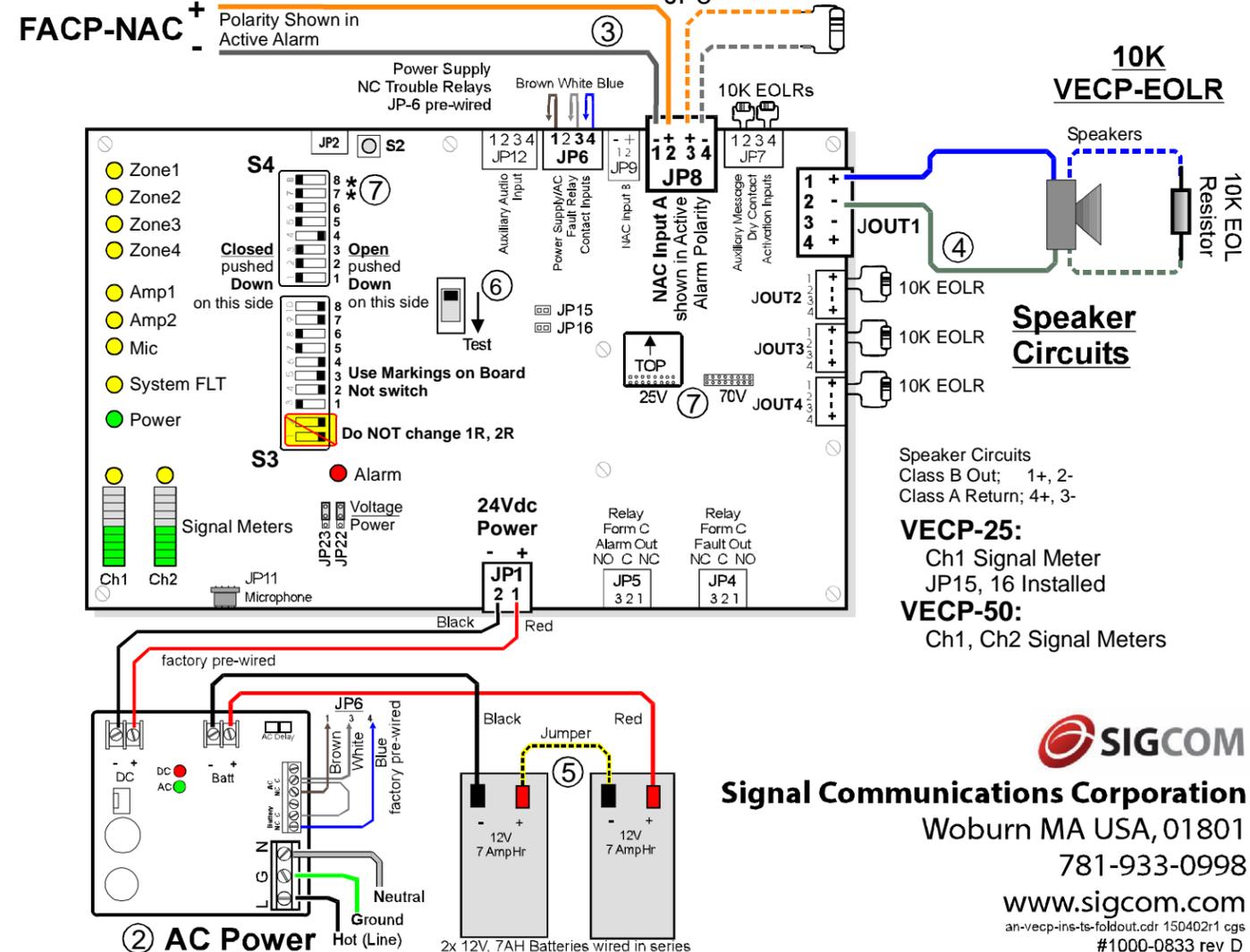
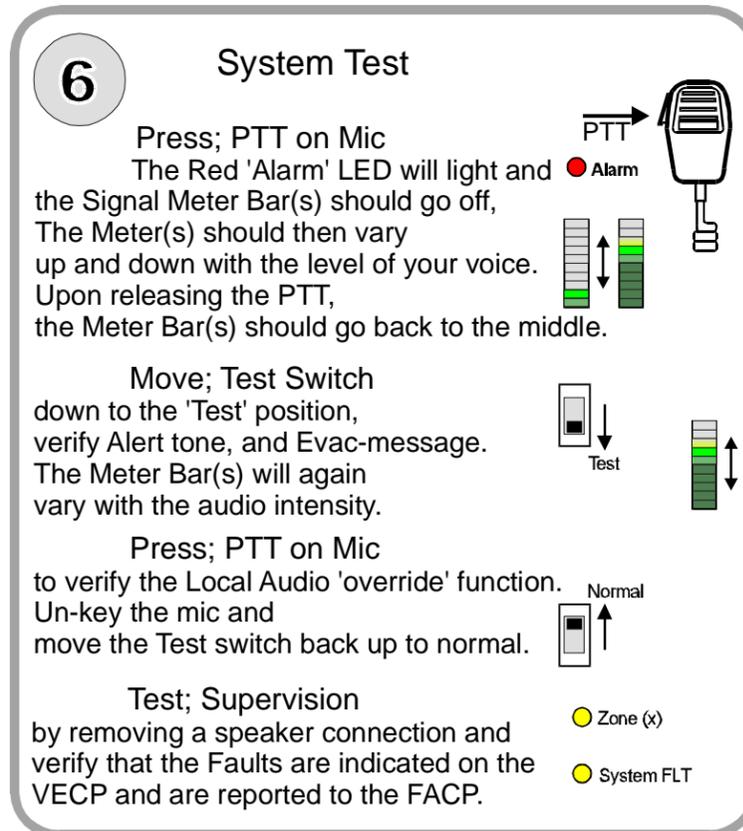
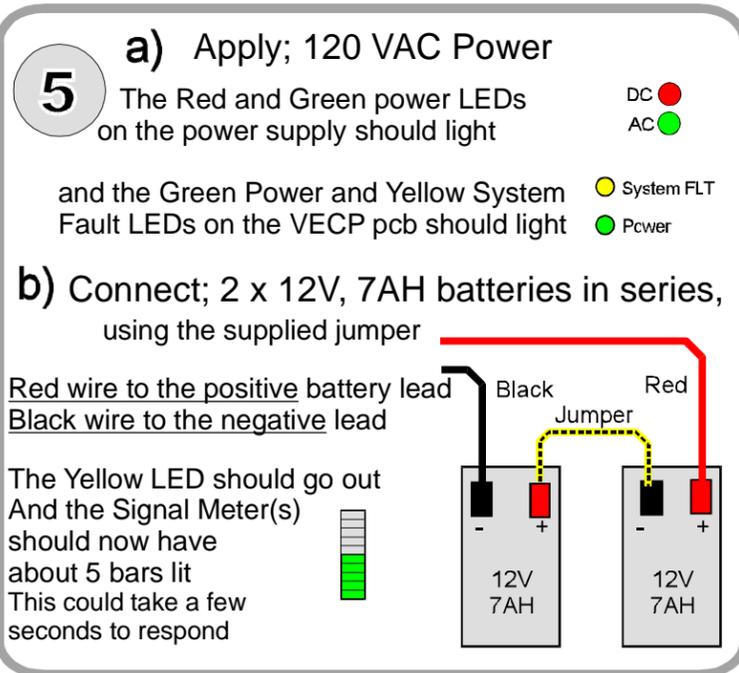
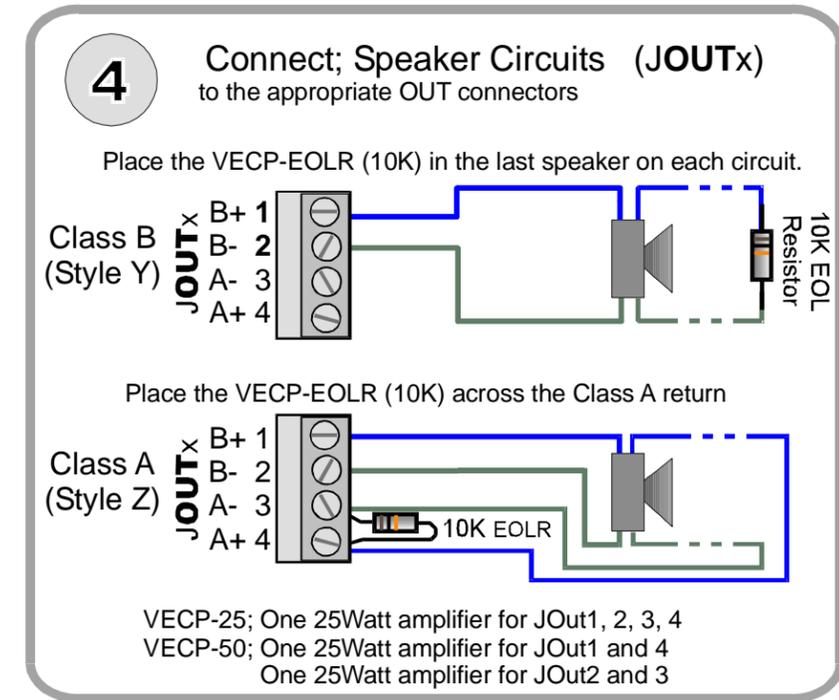
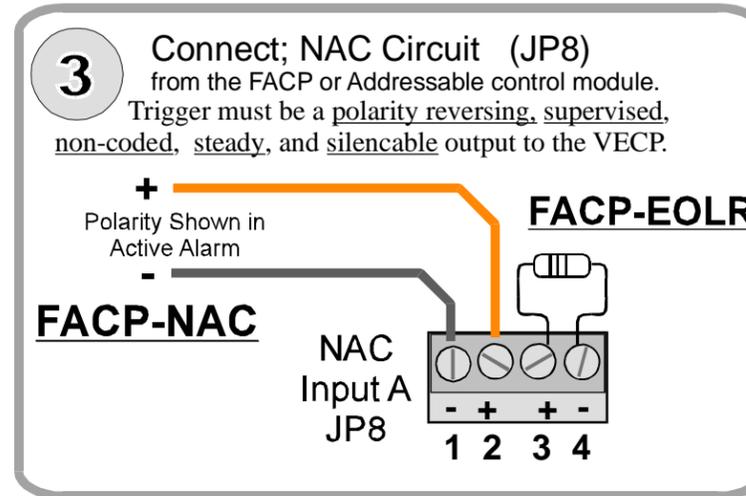
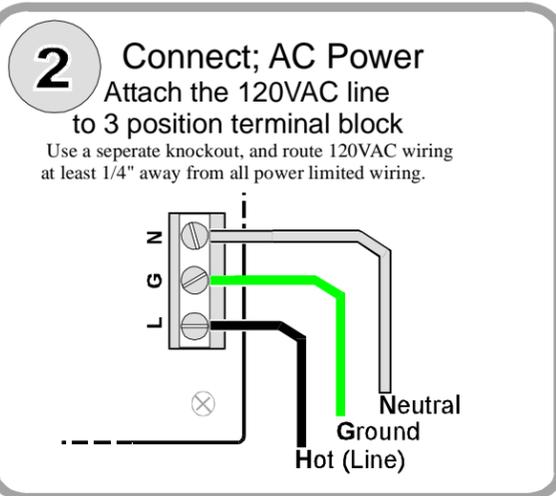
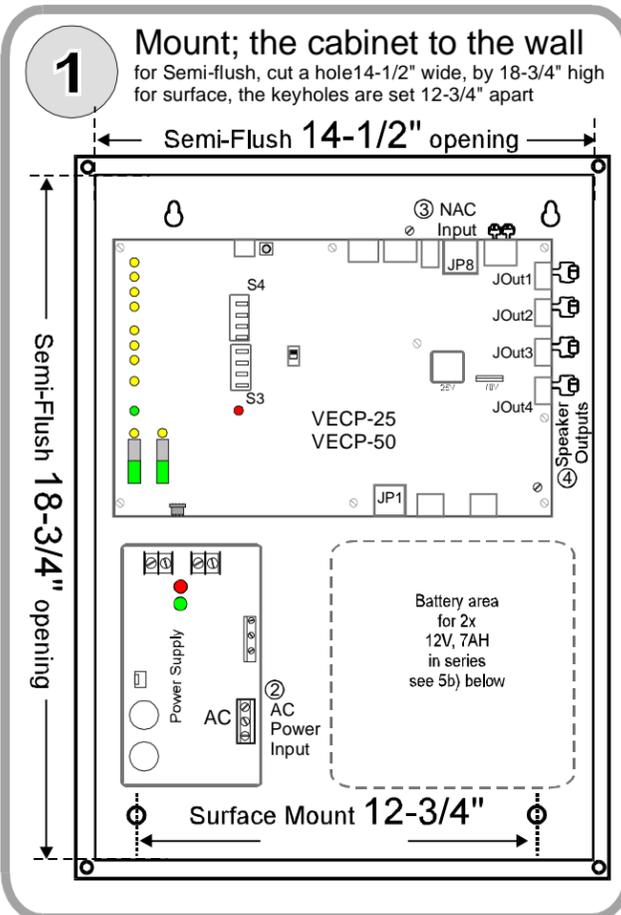


VECP-25/50 Step Installation-Wiring Diagram

Do NOT change settings or jumpers until system is operational, the VECP is fully tested and will work out-of-the-box.

Read the manual for complete detailed installation instructions

See 'Final-Setup' section to change system configuration.



SIGCOM
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an-vecp-ins-ts-foldout.cdr 150402r1 cgs
#1000-0833 rev D

VECP-25/50 Trouble Shooting Guide

For installation, read the other side first
Read this side, Because you DID

**change settings or jumpers before system was operational
 Or, someone has come in after installation and tried to 'fix' the system
 Read the manual (RTFM) for complete detailed installation instructions**

This is not a comprehensive trouble shooting procedure, rather it is a quick guide in response to some typical questions asked to Applications Engineering
Most troubles or Faults will turn on the yellow System FLT fault LED.
 With the System Fault light on, observe the other Fault lights to determine the problem.

This guide will look at more insidious hidden faults.
 If the problem is beyond this guide, or the determination is to repair the board, contact Customer Service or Applications Engineering for further guidance

D

Record Light On ●

The Record light should not be on, ever. This is not a field or installer function.
 If the light is on, then there is some board issue such as one of the S3 REC switches has be set or misset.

* Verify that both of the bottom switches on S3 marked REC are pushed down on the right side. These should be covered with tape or sealant and not changed.
 * Press and release the S2 button on the top edge of the board. This will reset the system and could shut off the Record LED.

If neither of these turn off the light, contact Customer Service or Tech Support for further guidance.

A

System Fault Light ●
 and Power Light On ●
 No Signal Level / Meter Bars lit 

The Signal Meter(s) should have about 1/2 scale in the standby condition.

If they are Off, a power supply fault condition may be detected, Verify AC power.

* Check to see if the two batteries are connected and that they are in series (24V). Verify that there is good voltage balance, 12volts nominally each.

* Check the connections from the Power Supply Trouble relays to the JP6 of the main board.

* Temporarily short both the connections of JP6 pins 1 to 2, and 3 to 4, could restore the meter bar indication.
 * * If shorting the JP6 connections does restore the board, then check the power supply and connections for proper operation.
 * * If the JP6 shorts do not restore the board, then there could be an onboard issue. Contact Customer Service or Tech Support for further guidance

B

System Fault Light On ●
 and Power Light On ●
 No other fault lights or indications 

The Signal Meter(s) should have about 1/2 scale in the standby condition.

If the only apparent indication of a fault condition is the System Fault light lit.

* Check the connections on JP7, in the upper right corner of the main board. There should be two 10K resistors. One across JP7 pins 1 and 2, another across pins 3 and 4. Verify placement and that they are secured into the connector.

* Completely remove the screw, in the upper right hand corner that holds the main pc board onto the back plate. Then slightly lift the corner of board off the standoff in the box. This will disconnect the 'Ground-Fault detection' from the chassis ground.
 * * If the System Fault light goes out, then there is a ground fault somewhere in the system.
 * * If the lights stays on, the problem could be more than this quick guide can direct. Contact Customer Service or Tech Support for further guidance.

C

Amp Fault Light ●
 System Fault Light ●
 and Power Light on ●

The AMP1 and or AMP2 fault lights come on when an overload of the audio amplifier(s) occurs. Normally, if a temporary overload occurs, the amplifier will reduce the output power in a smart overload protection scheme. A longer term overload, could open an individual solid state output fuse, which will reset automatically after the load is reduced or removed for a minute or two.

* A large overload, or an amplifier failure could turn on the AMP fault lights. To test if this was transient, press and release the S2 push button near the top edge of the main board. This will do a system reset.

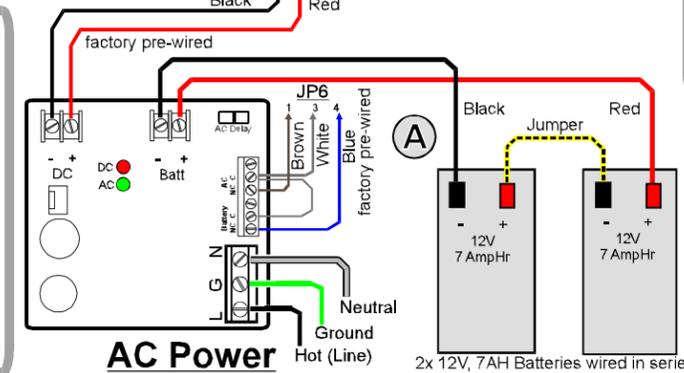
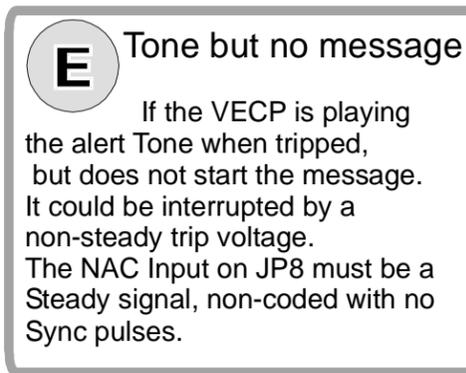
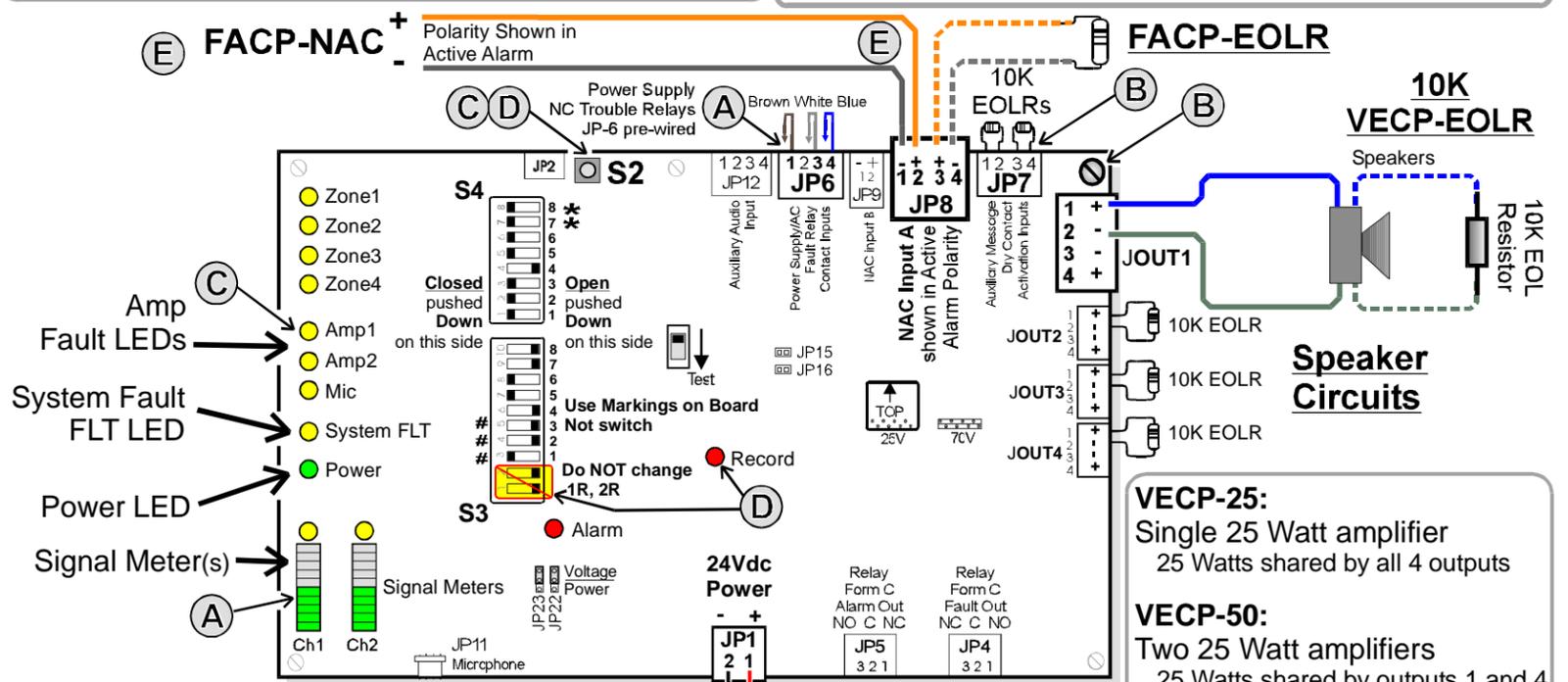
* * If then system resets back to normal, then the overload was quick, and the amplifiers are OK.

* * If the AMP fault lights come back after the reset, then the audio outputs could be damaged. Contact Customer Service or Tech Support for further guidance.

E

Tone but no message

If the VECP is playing the alert Tone when tripped, but does not start the message. It could be interrupted by a non-steady trip voltage. The NAC Input on JP8 must be a Steady signal, non-coded with no Sync pulses.



VECP-25:
 Single 25 Watt amplifier
 25 Watts shared by all 4 outputs

VECP-50:
 Two 25 Watt amplifiers
 25 Watts shared by outputs 1 and 4
 25 Watts shared by outputs 2 and 3
 25 Watts maximum from any output



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