

INSTALL OUTLINE

GUIDE FOR THE SB-1

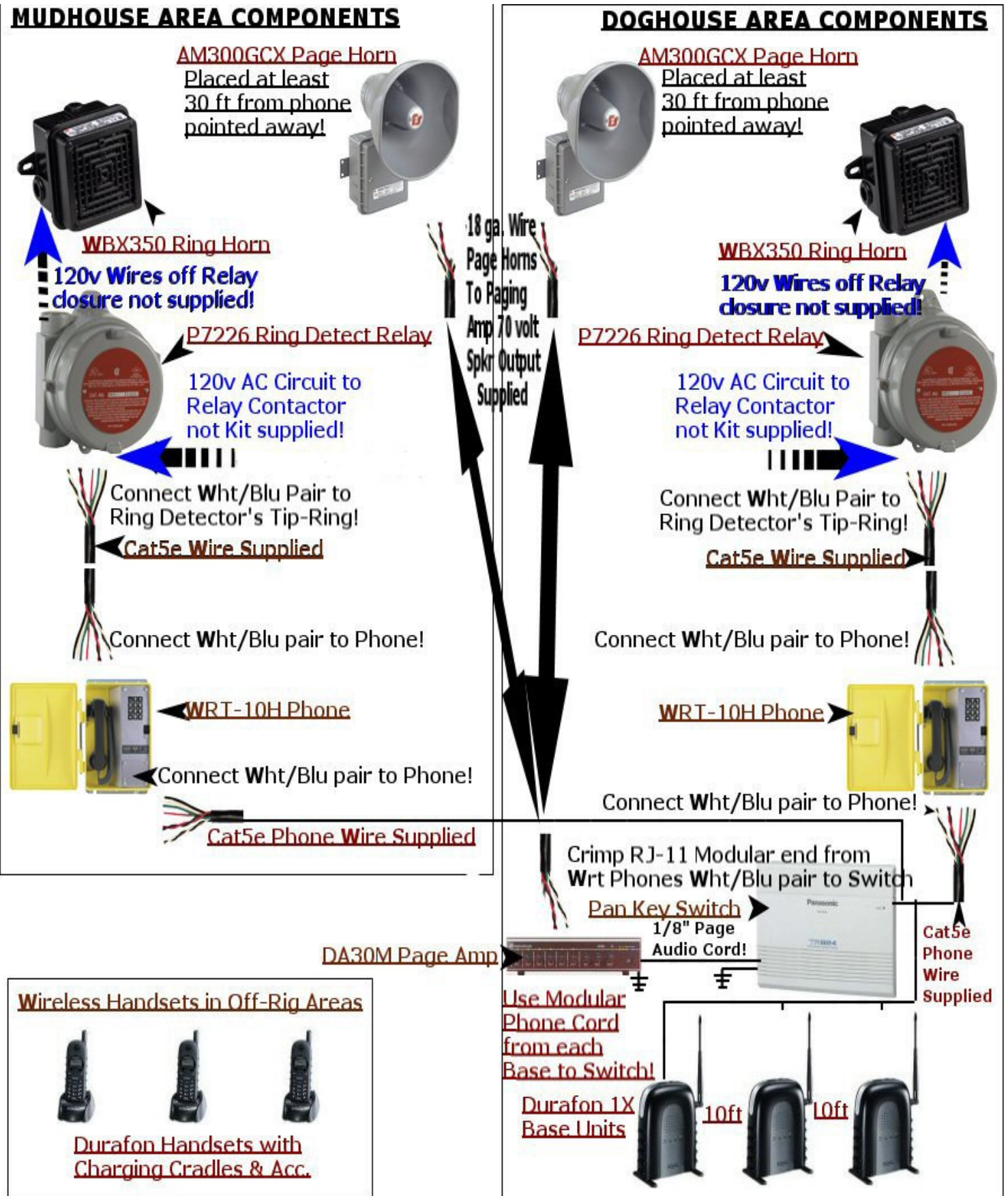
OIL RIG PAGE/TALK

CLASS 1, DIVISION 2

Hardwired Wireless Combo

Intercom Phone System

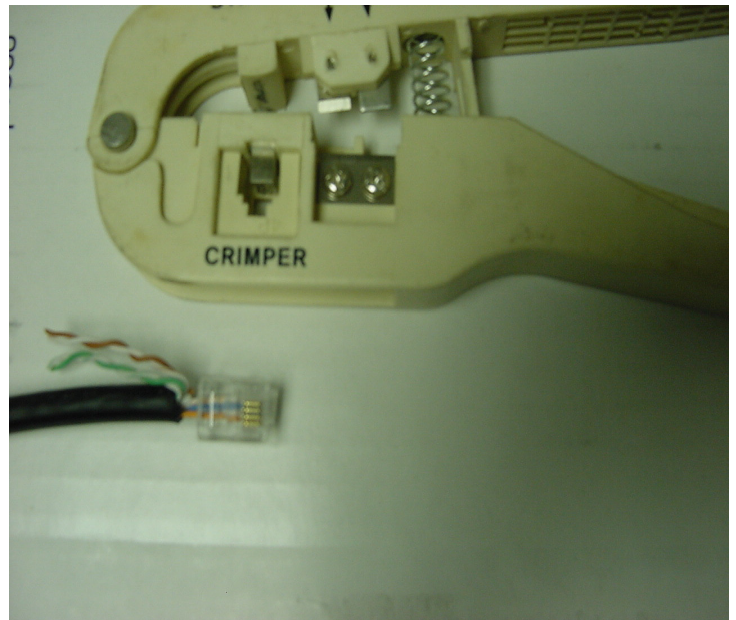
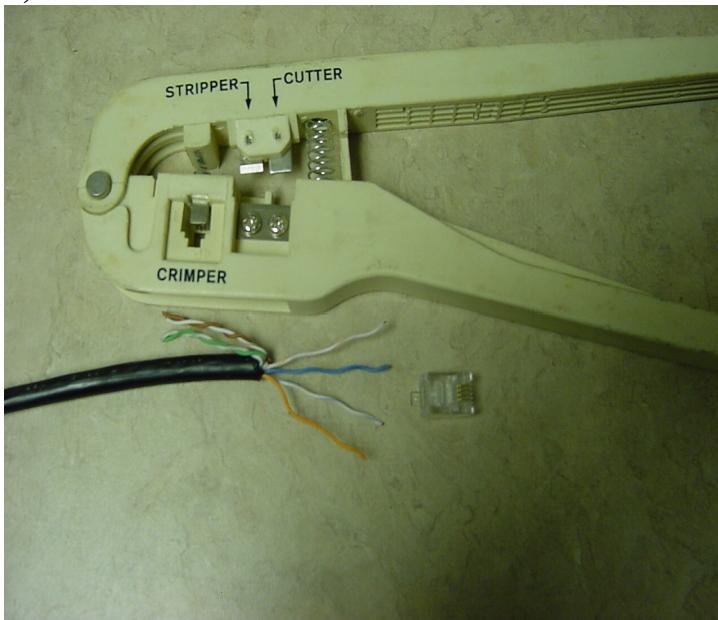
SIGNALBOOSTING- SB1 PAGE/TALK SYSTEM COMPONENTS Quick Overview DIAGRAM:



OPERATION OVERVIEW

For the most part, the system will be a simple plug-n-play installation with basic page and talk features already activated. PDF computer documents and or Booklet style Manuals for each component are included for a more in-depth knowledge of their function as well as hookup. Along with the component items seen and labeled in the beforehand diagram, the Kit includes a spool of Cat5e black jacketed UV ray protected outdoor cable for phone to switch hookup as well as phone to ring detect relay wiring and 18 gauge wire for the paging portion. A modular crimp tool kit with RJ-11 ends for crimping onto the White/Blue pairs of the line at the Panasonic KXTA824 switch are provided. Which extension port you plug any phone or wireless phone base unit into will determine the number you dial in order to call it (e.g. port 01's phone would ring by having dialed the digits 1-0-1 from another phone that's off-hook connected to port 02 thru 08. In other words, port extension dialing would be (101 thru 108) to any given phone depending on what port it is connected to!) Paging access over the AM300GCX paging horns = Off-Hook on any phone and dialing (34) hear a beep tone then announce your paging message.

1) THE PANASONIC KSU SWITCH- MODULAR END SYSTEM CONNECTION WIRING:



On the KSU Switch End you will only need one twisted pair (Wht / Blu) to be active in the modular end but must use an outer pair of wires as spacers to make sure you put the to be active inner wires under the correct gold inner crimps (face up) which will correspond to the green and red inner pins of any RJ-11 outlet or analog (hybrid) phone extension port outlet such as the ones labeled 01 thru 08 on the Panasonic KXTA-824 Key Service Unit (KSU) Switch. Wiring to be done at the WRT-10H phones at the other end will go on terminals with the White-Blue on Tip and the Blue on Ring. The Wireless Durafon 1X Base Units will each using supplied modular factory phone cord simply plug into a port of your choosing (01 thru 08 = dialing numbers 101 thru 108). The KSU Switch, Paging Amp and Durafon Base units all come with hardware to mount wall style in the DogHouse locale. It is recommended that you keep as much separation between each Durafon base unit as possible when mounted! Of course, all devices will need clean dedicated surge protected 120v AC plugs available to power them. The Amplifier chassis and Pan KSU switch chassis require grounding! The Pan KXTA 824 KSU switch does have a board battery switch, which must be turned on prior to flipping on the side rocker switch for use. Please, consult the KXTA 824 Installation manual provided with it!

2) EACH WRT-10H PHONE MUST CONNECT TO THEIR P7226 RING DETECTOR.

Between the WRT-10H phones and P7226 Ring Detect relays you will use the same Cat5e wire supplied using the White-Blue on Tip and Ring where the Wire from the KSU Switch is connected already at the phone and connect the other end of that wire that should be going to the Ring Detector with the White-Blue on Tip and Blue on Ring.

3) HIGH VOLTAGE CONNECTIONS(P7226 & WBX350)-Wire & Conduit not included!

The P7226 Ring Detect Relays will need 120v AC splitting the hot much the same as with a light switch with it going to one side of the relay's contactor and the other contactor break pole going on to connect to the hot side of the WBX350 Ring Horn. The Neutral line must of feed through to the Neutral connection side of the WBX350 Ring Horn. For more details concerning the high voltage AC connections of the P7226 Ring Detector and WBX350 be sure and refer to their respective manuals that are in PDF form that were included on CD.

4) THE DA-30M PAGING AMP AND AM300GCX PAGE HORN WIRING

You should have a spool of jacketed UV ray protected 18 gauge polarized stranded speaker wire for connection between the Amplifier's 70volt and common output terminals. Connect to the Paging Horn terminals observing polarity with the (+ or red on 70volt) and (- or black Common). Set the 70-volt transformer tap setting of the horns on the highest wattaged notch beneath 15 watts. e.g. if the next tap down is say 7.5 watts set them there! We don't want to overwork the Amp or horns! The Amplifier has a Telephone paging connection that will connect to the Panasonic KSU switch paging port using a shielded audio cord with an 1/8" mono ipod looking connector on one end supplied. Once set up, you will have to do some Amplifier Tel-Page volume (small knob on back) adjusting as well as possible front tone adjustments observing that you get maximum clarity avoiding any possibility for a ringing or undesirable feedback! This is why it is recommended that the Horn be past the critical distance figure of 30 foot from paging source Mic without being a direct Aim back towards Mic!

Note: The WBX350 Ring Horn can be mounted where you want it to be heard as the feedback issue does not apply to it, whatsoever!

5) FOR MORE DETAILED INFORMATION REFER TO THE PDF OR BOOKLET MANUALS OF EACH COMPONENT OF THE SYSTEM.

You may access free tech support answers via: contactusmessagebox@signalboosting.com

Or by calling: Ma-her' Sound Tel - Signalboosting at: 405-598-0777 option 2.