



STX-3 example

# **STX AC Power Distribution Option Breaker Panel Installation Application Guide**

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## **STX AC Power Distribution Option**

Breaker Panel Installation Application Guide

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#### 1

# 1 STX AC Power Distribution panel

### 1.1 Overview of Installing the AC Distribution Panel.

There are different configurations of the STX AC power Distribution panel depending on the number of amplifiers in your transmitter, and the input AC configuration. There are different panels for the STX-3 and STX-5, for single phase, 3-phase Delta and 3-phase. STX-2 is only available in single. However, the installation follows a similar sequence.

MODEL	PART NUMBER
STX-2 Single phase	909-4201-100
STX-3 Single phase	909-4301-100
STX-3 Three phase Delta	909-4301-200
STX-3 Three phase WYE	909-4301-300
STX-5 Single phase	909-4501-100
STX-5 Three phase Delta	909-4501-200
STX-5 Three phase WYE	909-4501-300

# 2 Installation Preparation

### 2.1 Overview / Estimated Completion Time For Installation

B.E. STX LP AC Power Distribution panel contains the necessary items to connect the input mains AC voltage to the STX in a convenient manner. Installing the AC Distribution panel enables you to make one AC cable run from your main disconnect box to this panel. AC power cables with this panel will connect to each individual amplifier and the combiner. Installation will take about 35 minutes after the unit is in the rack and primary AC is routed into the rack.

## 2.2 Items / Tools required for the Upgrade Process

No. 2 Phillips Screwdriver
3/8" flat blade screw driver
One of the above AC Power Distribution Panels.
3/16" Allen wrench





MARNING: ENSURE ALL PRIMARY POWER IS DISCONNECTED BEFORE PROCEEDING.

#### 2.3 **Install the Optional AC Power Distribution Panel**

Follow all Electrical codes when wiring the STX AC Power Distribution panel. Refer to the following diagrams for your specific distribution panel.

Connect circuit breaker #1 to the first (Main) PA and to the Combiner with the provided wires. Subsequent units will be connected as shown; circuit breaker #2 to PA #2, etc.

STX-2 connects up the same as the STX-3 single phase with the exception of the third PA and breaker size as noted on the STX-3 Single phase diagram.

#### **RF Technical Services Contact Information** 3

RF Technical Services -

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