

**KZ-200****The New Kitchen Buzzer of  
Pos Printers****UNIT PART NUMBER: KZ-200****UNIT APPLICATION:**

This unit can enhance the reminding function of a POS printer such as any of Posiflex Aura series printer when used in an environment that requires high audio volume. This unit generates a buzz tone at 3.5 +/- 0.5 KHz with a loudness of 85 db when activated and measured at 30 cm distance.

**INSTALLATION PROCEDURE:**

1. Connect the cable from KZ-200 to the connector marked "DK" port in the kitchen printer as in this sample picture.



"DK" connector

2. Find a place on the exterior of the printer for KZ-200 with convenience in cable routing. Clean this area and peel off the protective paper on back of KZ-200 to adhere it in place.

**HOW TO ACTIVATE THE BUZZER:**

**For EPSON emulation printers** (such as PP-5600 and PP-7000II series):

Please send the **"generate pulse peripheral device"** command after each print job to the printer to activate the buzzer. If multiple ringing is required for practical application, please just send this command multiple times. The command codes for "generate pulse peripheral device" command are: **ESC 'p' m n1 n2 (m = '0' or '1', 0 n1 n2 255)**. The hexadecimal form is: 1B 70 m n1 n2

When the printer is used as a kitchen printer and the environment could be so noisy that the beeper for reminding the kitchen staff of the printing can be not loud enough. After fixing KZ-200 on a kitchen printer and connecting the cable to the peripheral connector on the printer, please use this command with m set to 0 and both n1 and n2 set to 255. The printer will be able to drive the kitchen buzzer for about half a second on each such command. If this command is sent to the printer multiple times consecutively, the buzzer will buzz for about half a second and rest for also about half a second then ring again for multiple times.

**For STAR emulation printers** (such as PP-5700 with STAR emulation):

Please first send the **“drive pulse width adjust”** command to the printer to set ready the printer. Please then send the **“deferred drive”** command after each print job to the printer to activate the buzzer. If multiple ringing is required for practical application, please just send the “deferred drive” command multiple times. The command codes for “drive pulse width adjust” command are: **ESC BEL n1 n2 (1 n1 n2 127)**. The hexadecimal form is: 1B 07 n1 n2; The command code for “deferred drive” command is: **BEL** or in hexadecimal form as: 07

After having the buzzer well installed and the printer set ready with both the n1 and n2 in “drive pulse width adjust” command set to 50, the printer will be able to drive the kitchen buzzer for about half a second on each “deferred drive” command. If the “deferred drive” command is sent to the printer multiple times consecutively, the buzzer will buzz for about half a second and rest for also about half a second then ring again for multiple times.