

Setting up the Panasonic KX-P1180 and KX-P2180 Dot Matrix Printers

GENERAL

This maintenance note provides instructions to correct a garbling problem caused by incorrect settings on the Automated Surface Observing System (ASOS) dot matrix printers. The two models of dot matrix printers used with ASOS can be either a Panasonic model KX-P1180 or model KX-P2180. The KX-P2180 printer differs from the KX-P1180 in that it is set up by software keys instead of a DIP switch. The Operator Interface Device (OID) setup for both printers is the same.

KX-P2180 PROCEDURE

If the KX-P2180 is used, ensure that it is properly configured on the ACU serial communications page. Follow the steps below to configure the communications page.

1. LOGON to ASOS as a TEC or SYS on the OID.
2. Select REVUE, SITE, CONFIG, COMMS page.
3. Move the cursor to the printer port, press the CHANGE key, move cursor to HANDSHAKE, press the SEQN key until XON/XOFF protocol appears.
4. Press EXIT to return to the one-minute screen.

Printer parameters on this page should be set as follows:

BAUD RATE:	2400
PARITY SELECT:	NONE
BITS/CHAR:	8
STOP BITS:	1
HANDSHAKE:	XON/XOFF

After specifying the ACU serial communications parameters, the printer must be manually set up using the front panel controls and indicators. Use the procedure below to set up the printer.

1. Turn printer POWER switch **OFF**.

2. While pressing and holding FUNCTION switch, turn POWER switch **ON**.
3. Press and release SUPER QUIET switch until ROW indicators are as follows:
 - FONT - OFF
 - PITCH - ON
 - FORM LENGTH - OFF
 - FONT - ON
4. Press TEAR OFF to toggle interface from parallel to serial. The indicator over the first column illuminates.
5. Press and release SUPER QUIET switch until ROW indicators are as follows:
 - FONT - OFF
 - PITCH - ON
 - FORM LENGTH - ON
 - FORM - ON
6. Press TEAR OFF key to toggle protocol from DTR to XON/XOFF. The indicator over the first column illuminates.
7. Press FUNCTION switch to exit initial setup mode. The ON LINE/FUNCTION indicator stops blinking.
8. Press SUPER QUIET switch to enter quiet mode.
9. Press FUNCTION switch to enter function mode. The ON LINE/FUNCTION indicator blinks.
10. Press and release TEAR OFF key until column indicator is blinking over MACRO.
11. Press LOAD PARK switch to save macro. A beep is heard and the column indicator stops blinking.
12. Press FUNCTION switch to exit function mode. The ON LINE/FUNCTION indicator stops blinking.

This completes the setup for the KX-P2180 printer.

KX-P1180 PROCEDURE

If the KX-P1180 is used, first manually set up the printer.

1. Turn printer power **OFF**. Remove cover per printer manual.

2. Locate DIP SW1-8 and set to the ON position. This selects the XON/XOFF protocol.
3. Reassemble, then turn printer power **ON**.
4. Follow the above procedure for the KX-P2180 (steps 1-4) to set up the communications page.

This completes the KX-P1180 setup.

EFFECT ON OTHER INSTRUCTIONS

None.

Original Signed

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W/OSO321:BGMcCormick:sol:7/26/93Lrz:7/28/93
EHB-11 disk, "ASOSMN7.H11"
WP5.1 speller