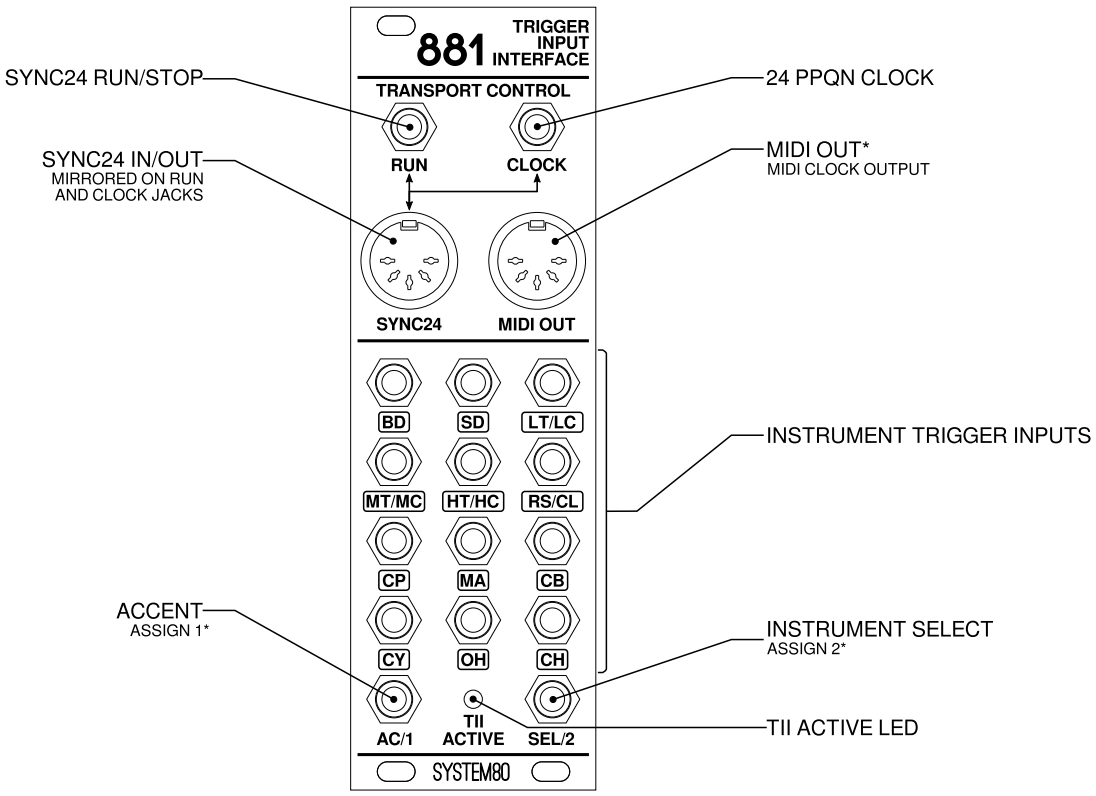
881 TRIGGER INPUT INTERFACE USER GUIDE



*Assign 1 & Assign 2 functions subject to future firmware changes.)

Using the Trigger Input Interface

Follow the instructions on the opppostite page to connect the 881 to your 880.

Before using the Trigger Input Interface (TII) your 880 needs to be updated to at least **firmware version 1.1.4**. See system80.net/880-firmware/ to learn how to update your 880's firmware.

The TII is not active by default. Perform the following steps to active the TII:

1. Use the Mode Selector button to put your 880 in MANUAL PLAY mode.

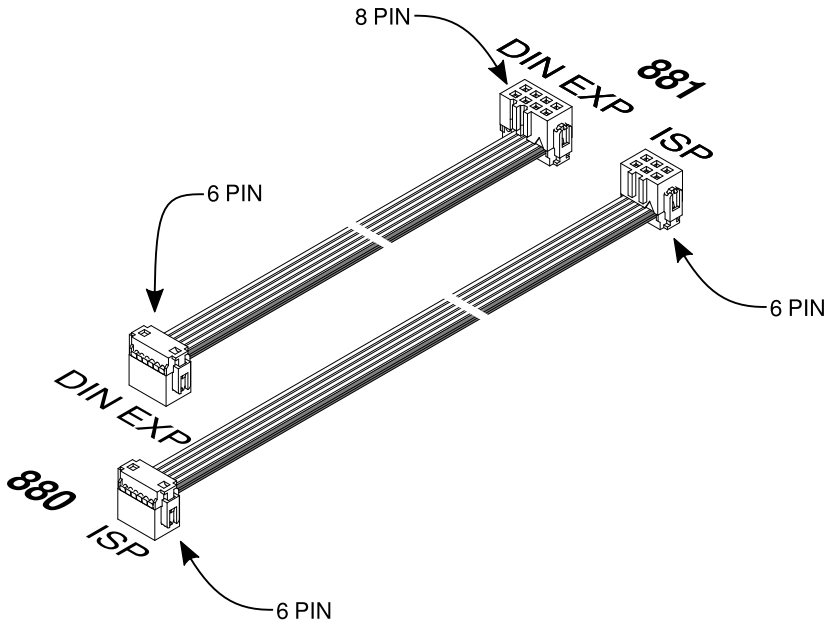
2. Press and hold the SHIFT-WRITE/NEXT key and press STEP 8. The 881's TII ACTIVE LED will light indicating that the TII is now active.

Accent will be applied whenever the input to ASSIGN 1 is high and the ASSIGN 2 state will select which of the dual instruments will play. Leaving MANUAL PLAY mode or changing the SYNC mode will disable the TII. The TII is automatically disabled when the sequencer is running. The 880 does not recall the TII active state. You will need to turn it on again after a power cycle.

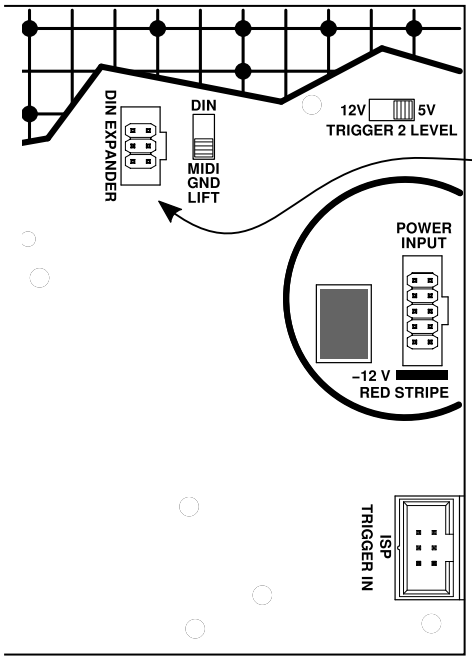
Installation

The 881 comes with 2 ribbon cables that need to be connected to the rear panels of the 880 and 881. The DIN Expander cable has an **8 pin** connector on one end and a **6 pin** connector on the other end. Connect the 8 pin connector to the 881 DIN Expander socket and the 6 pin connector to the DIN Expander socket on the 880. The ISP cable has **6 pin connectors on both ends.** Connect the 6 pin ISP connectors between the 881 and the 880 (labelled 'ISP TRIGGER INPUT' on some 880s).

IMPORTANT! Both the DIN Expander and ISP connectors are 6 pin connectors that can be inadvertently swapped, so pay close attention to the labels when connecting them. If they are swapped the Trigger Input Interface and the DIN Sync transport control will not function correctly. There shouldn't be any magic smoke either, but let's not tempt fate, shall we?



880 REAR PANEL



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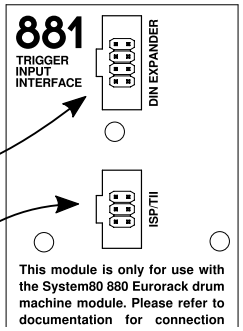

The DIN Expander cable carries the DIN SYNC24 RUN/STOP and CLOCK data, the ASSIGN 1 and 2 signals, and the MIDI OUT data.

The ISP cable carries the trigger input data over a serial data interface that must be activated in the 880 firmware (see over).

IMPORTANT! The signals on the ISP serial data interface are shared with the 880's TRIGGER 1 and TRIGGER 2 jacks. When the Trigger Input Interface is active, unplug any cables that are in the TRIGGER 1 and TRIGGER 2 jacks. When the TII is active, high speed serial data will be transmitted on these jacks and will likely befuddle whatever module or instrument you have connected to them.