



VTMS Technical Bulletin



Toshiba SMDR Wiring to TMS1000-X Version 3.x Call Buffer Valid for All Strata / Strata DK / CTX Systems

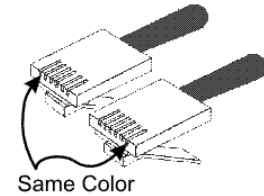
The **Toshiba** telephone system uses a standard 6 wire modular jack for connection to **SMDR**.

The **TMS1000-X Version 3.x Call Buffer** requires an 8 wire cable and jack for connection to **SMDR**.

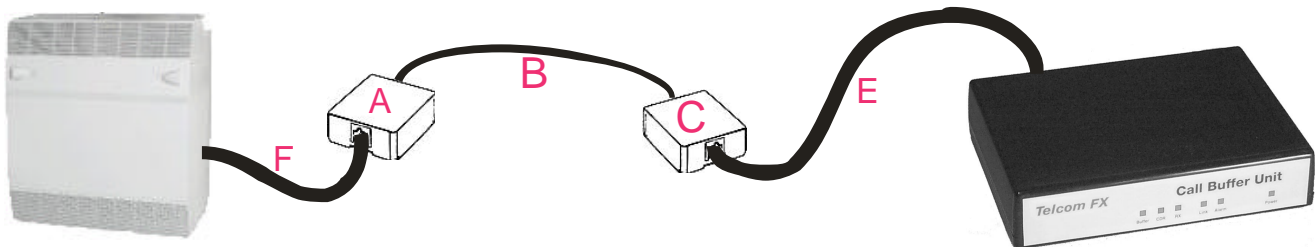
To solve this problem in the simplest manner, you will need the following:

1. Standard Toshiba 6 wire RJ-11 telephone cord. (**F** below)
2. Standard 6 Wire RJ-11 Baseboard Jack (**A** below)
3. Standard 8 Wire RJ-45 Baseboard Jack (**C** below)
4. RJ-45 Modular Cable provided. (**E** below)

Confirm you have the correct type of cable for item 1 above, by taking the cord, and placing the two ends together side by side as shown in the diagram to the right. The color of the wires inside the plugs should be opposite to each other. In other words, the pins at the opposite ends (as shown) should have the same color.



1. Plug one end of the 6 wire telephone cord (**F** Below) into the **SMDR** jack of the **PIOU Card**.
2. Connect the other end of the cord into the standard 6 wire modular jack. (**A** Below)
3. Install and connect a 3 pair station cable (**B** Below) from the 6 wire jack (**A** Below), Near the KSU, to the 8 wire jack (**C** Below), Near the **TMS1000-X Call Buffer**. (**B** Below)
This cable should not exceed 500 feet.
4. Using the 8 wire modular cable provided, (**E** Below) plug the **TMS1000-X Call Buffer (SMDR Port)** into the 8 wire jack (**C** Below).



Below is the wiring needed for connection inside each jack.:

6 Wire Jack Toshiba End A Color Code	3 Pair Station Cable B Color Code	8 Wire Jack Call Buffer End C Color Code	Signal Name	Source Of Signal	Voltage (Measured relative to Ground)
Red	White Blue	Yellow	DTR	Buffer	Between + 3v and + 15v If the Buffer Light is on or Between - 3v and - 15v If the Buffer Light is off
Black	Orange White	Red	DCD	Toshiba	Between + 3v and + 15v
White	Blue White	Green	GND	-----	
Blue	White Orange	Brown	RXD	Toshiba	Between - 3v and -15v