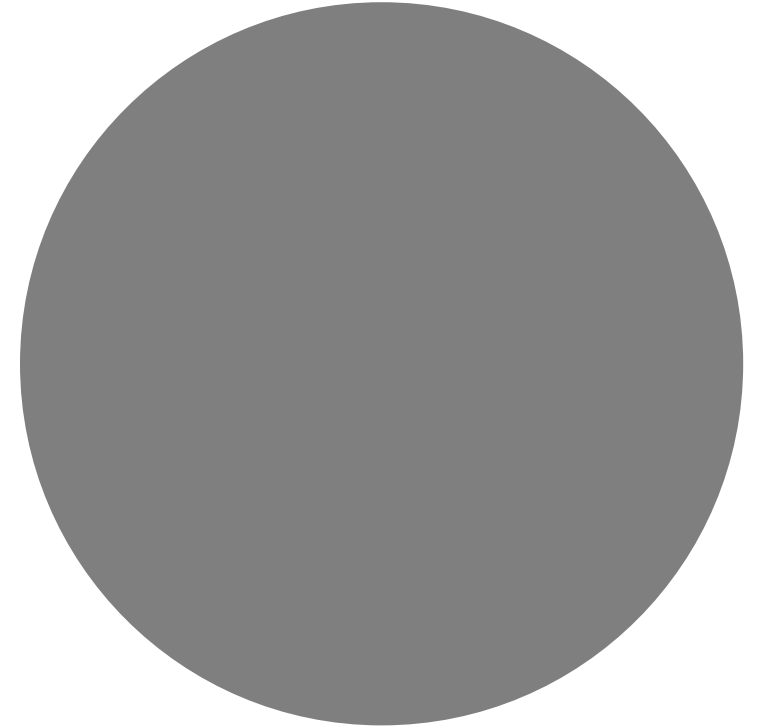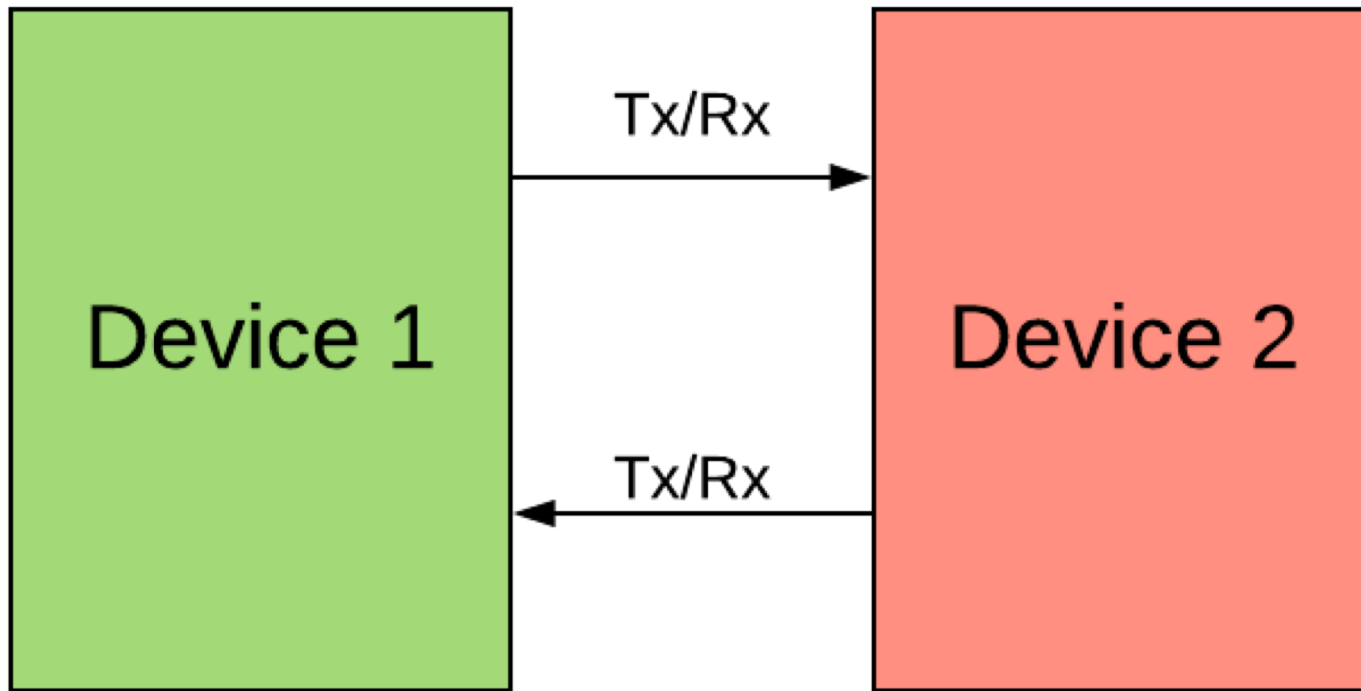# Lab 1 UART

K. Chanon
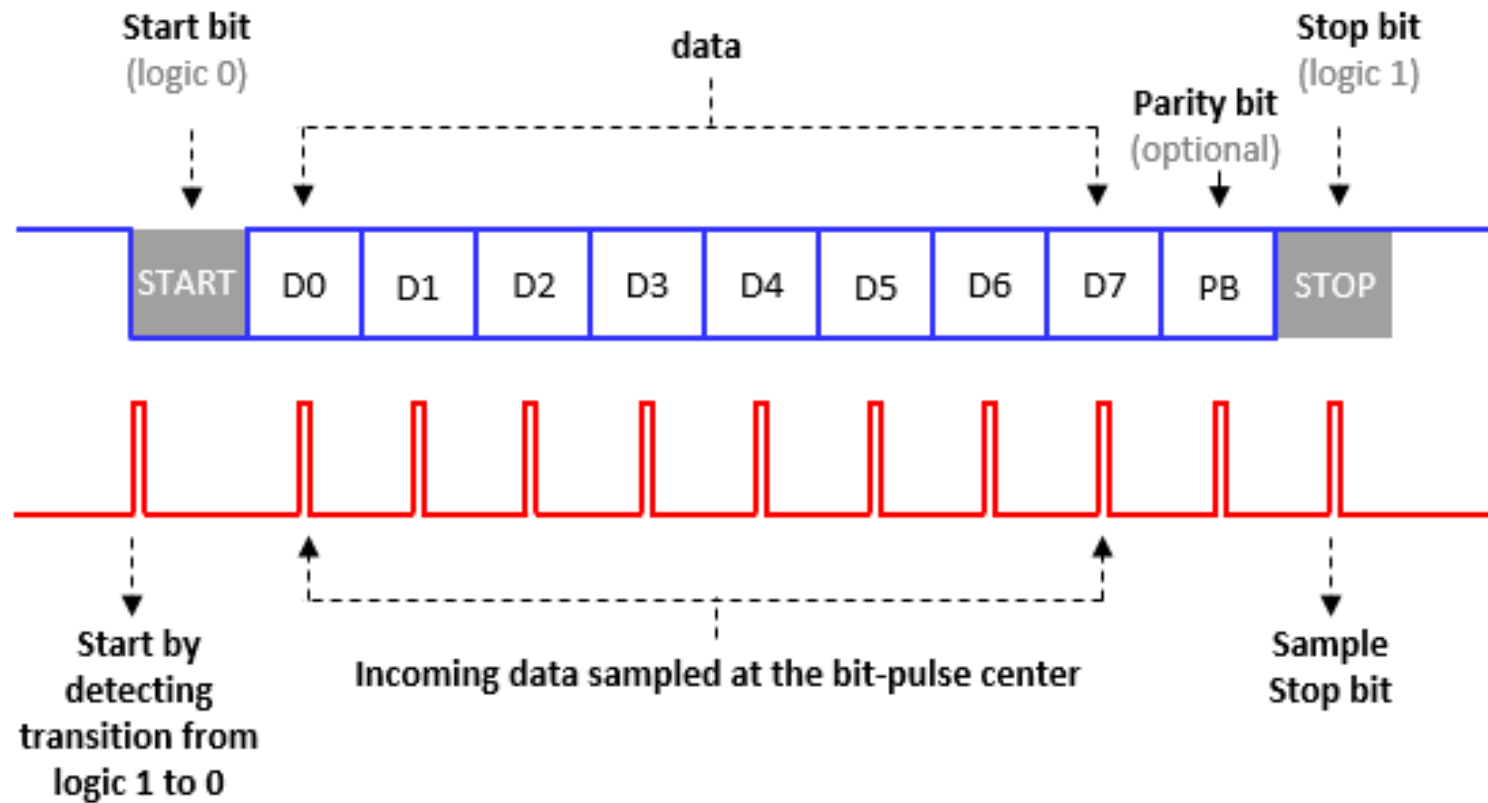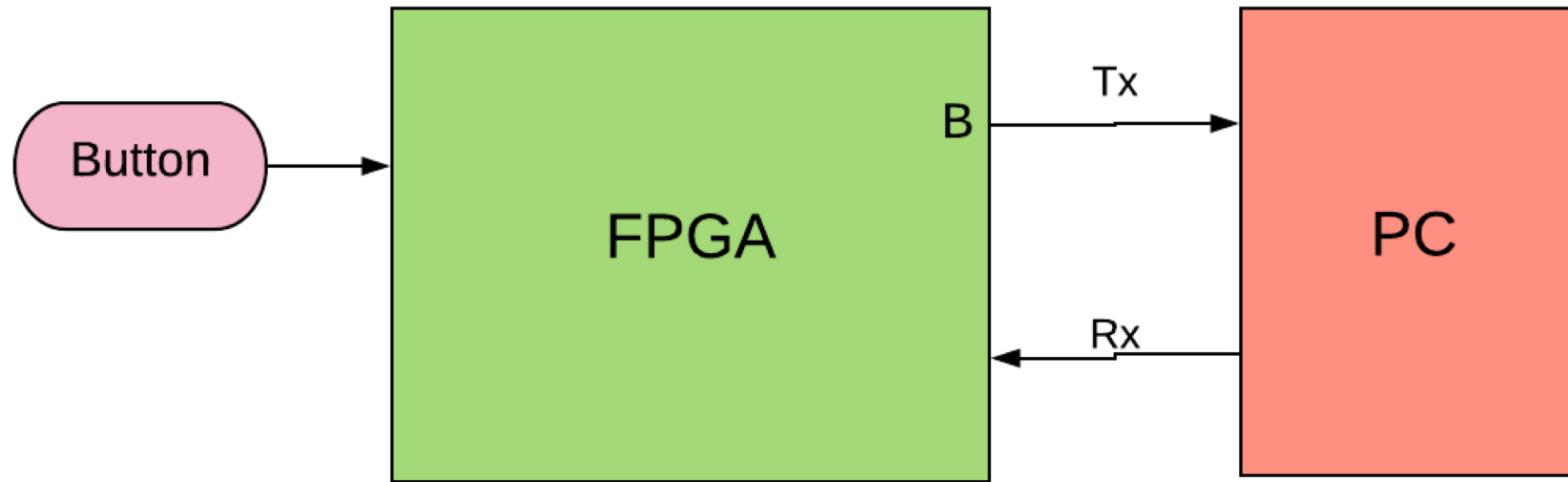
- Stands for Universal Asynchronous Receiver Transmitter
- Requires agreement ahead-of-time between devices regarding things like clock rate, etc.,…
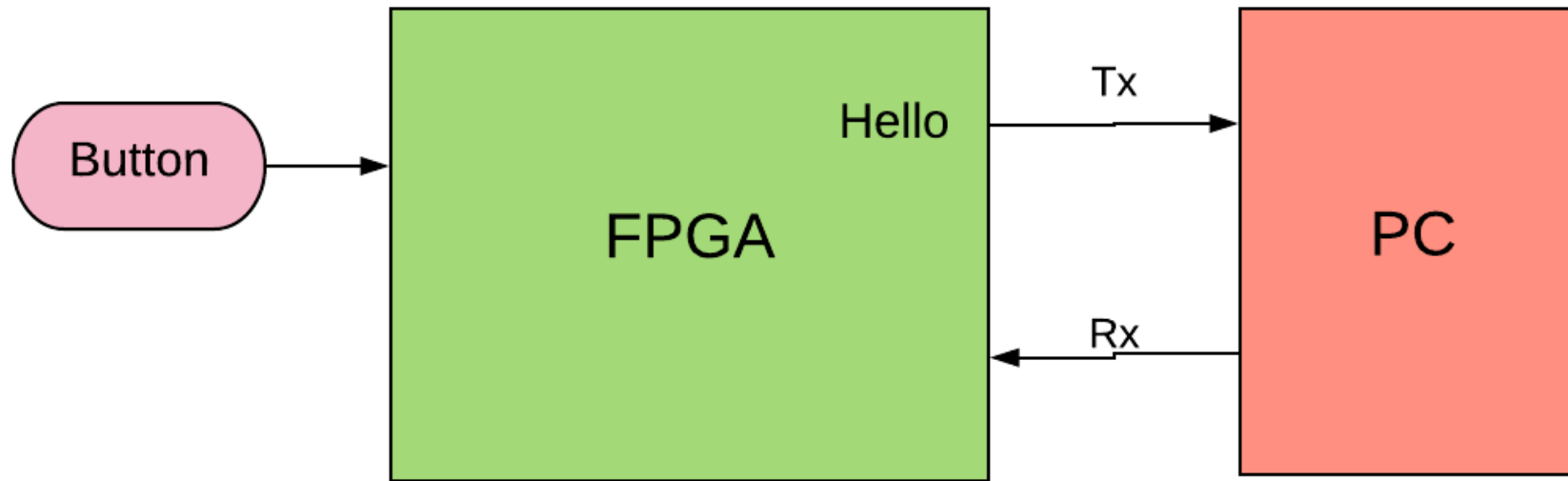- Two wire communication
- Cannot really shared

UART Package

Lab Example

- Press button to send 'B' through UART.
- Required to write your own XDC.

Exercise

- Press button to send "Hello"
- Use Array in VHDL and counter to count it.