VEXnet = 802.11g Wireless for VEX
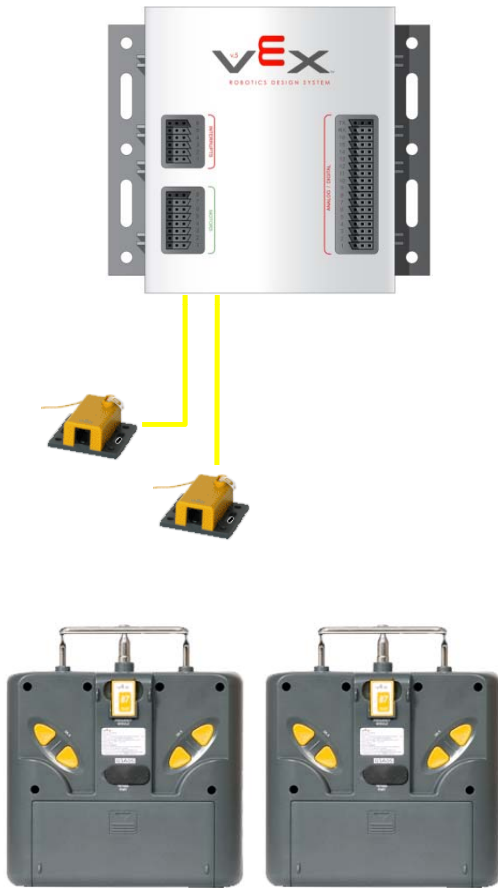

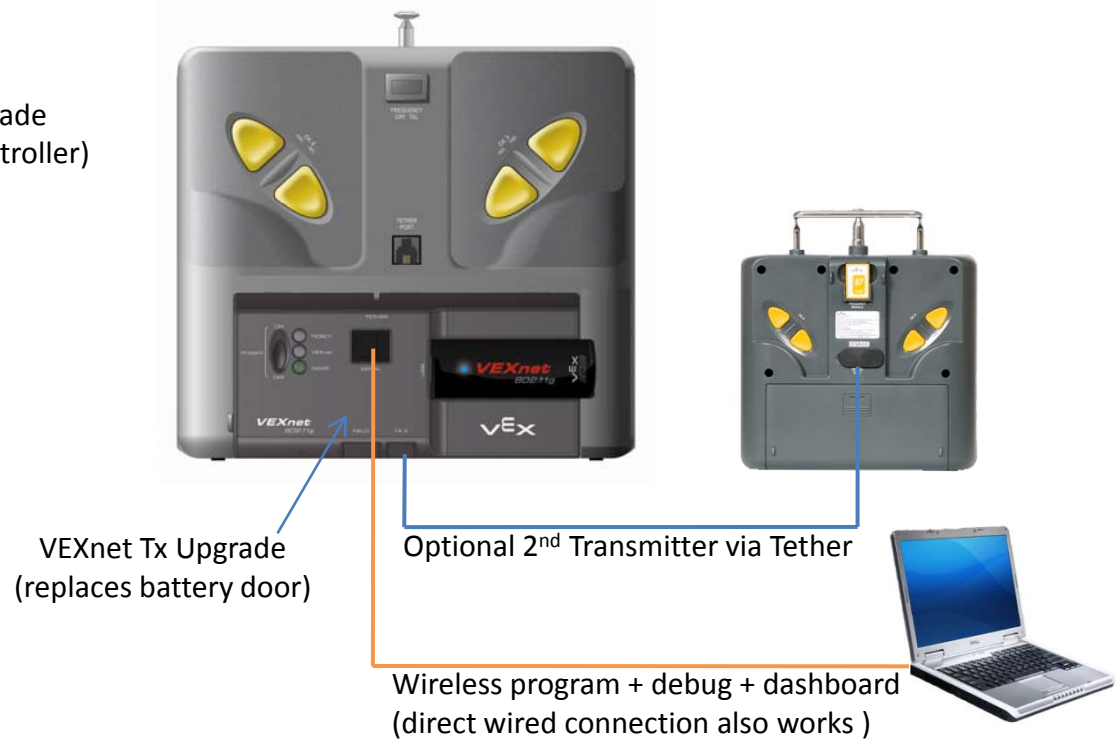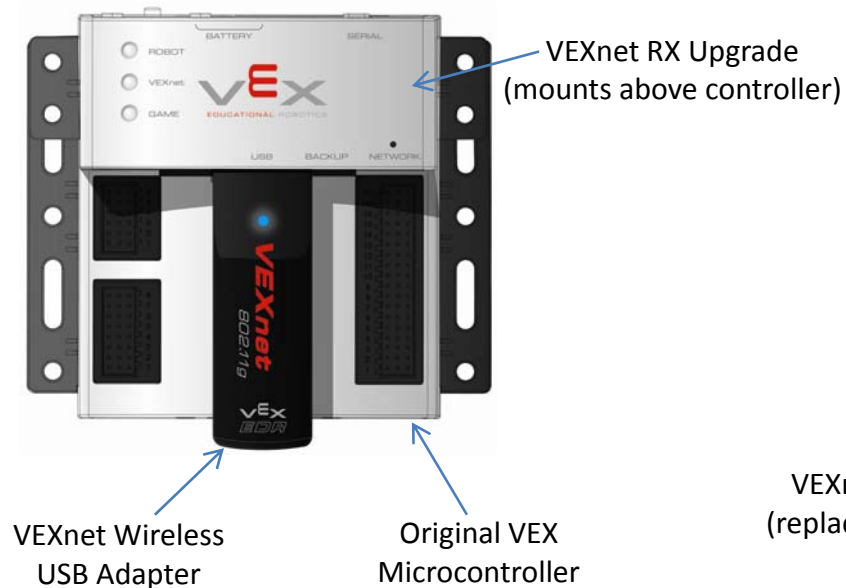VEX 0.5

VEXnet Upgrade

VEX 2.0 with VEXnet

VEXnet Upgrade Kit

VEXnet RX Upgrade
(mounts above controller)

VEXnet Wireless
USB Adapter

Original VEX
Microcontroller

VEXnet Tx Upgrade
(replaces battery door)

Optional 2nd Transmitter via Tether

Wireless program + debug + dashboard
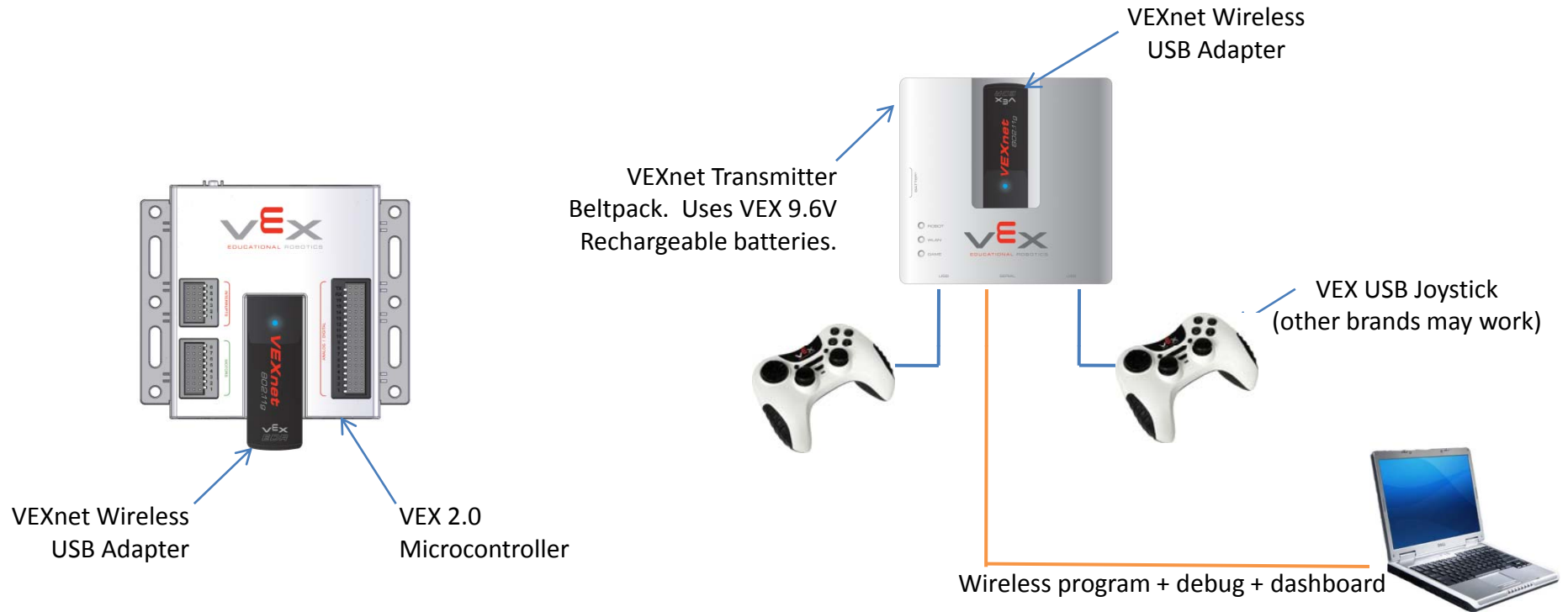(direct wired connection also works)

Features:
- **Upgrades existing VEX Microcontrollers to VEXnet (802.11g)**
- Rx Upgrade attaches on top of Microcontroller
- Tx Upgrade replaces Transmitter battery door
- Bi-directional wireless communication
- Wireless programming
- Wireless debugging while driving
- Wireless connections direct to a PC
- Competition port for Enable/Disable and Normal/Autonomous
- Status indicators for ROBOT, VEXnet and GAME on robot and transmitter

Wireless drive + program + debug from PC

VEX 2.0 with VEXnet built-in

VEXnet Wireless
USB Adapter

VEXnet Transmitter
Beltpack. Uses VEX 9.6V
Rechargeable batteries.

VEX USB Joystick
(other brands may work)

VEXnet Wireless
USB Adapter

VEX 2.0
Microcontroller

Wireless program + debug + dashboard

Features are same as the VEXnet Upgrade plus:
- I^2C bus to support additional smart sensors
- USB port for future expansion
- Increased total motor port current output to minimize motor brownouts
- Same size as current Microcontroller
- Same number of analog and digital IO
- Equivalent PIC 8-bit Microcontroller (adds I^2C only)

Wireless drive + program + debug from PC