

GETTING TO KNOW ETHERSTOP

This is a quick EtherStop setup guide. Please refer to the full product manual for more detailed guidance and setup information for more complex networks. Contact: support@x-laser.com or 866-702-7768 ext. 155

1 Know the system

The EtherStop system provides integrated **network and compliance signaling** for your laser control network, including:

- Compliance signals:
 - Remote stop
 - Laser emission indicator
 - System reset
- Network signals:
 - Art-Net
 - Streaming ACN (sACN)

4 Know the process

Typical setup and operation of EtherStop equipment includes:

- Connect and power on equipment
- Verify Remote In ports are terminated/filled properly
- Enable key switches and release remote stop (red) buttons
- Test all remote stop system switches
- Reset system + start the show!

See system manual for full procedure



Remote Laser Blue ring; only compliance signal & compliance signal

> Network Black/no ring; only network signal

5 Know the red button

Never hesitate to disable laser output when a problem occurs. The safety of the audience, performers, and operators is **ALWAYS** more important than the show.



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3 Know the limits

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EtherStop cable lengths are limited to ensure signal reliability:

- Compliance: 300m/984ft (cables not used for network signals)
- Ethernet: 100m/328ft such as ex. using proper pass-through:



6 Know the blink patterns

Blinking signal seen via laser's emission indicator tells the operator that:

- Off = Laser is not ready (interlock open, key off)
- Every 3 sec. = Laser is ready to reset
- Every 1 sec. = Emission delay period (10 sec.)
- Solid on = Laser is ready to emit/is emitting

Remember:

- EtherStop signals travel through Cat5 cable but **not** through standard Ethernet switches and routers.
- NEVER connect EtherStop devices to standard Ethernet devices except as specifically allowed in the manual.

