

# Smart Factory Wireless Communications | Allen-Bradley Learning System



## Smart Factory Wireless Communications Learning System: 87-WLAB53A

This system is designed to teach wireless EtherNet/IP communications, in a Smart Factory setting. Learners will develop understanding of wireless access modules, and wireless remote client modules, among other wireless communication skills.

The [Smart Factory](#) network communications training systems feature real-world equipment learners will encounter on the job, including configuring an I/O-Link Master in a PLC project. The systems combine hands-on skills practice with in-depth multimedia curriculum for a well-rounded learning experience that will prepare learners to make an immediate impact in the technologically-advanced Smart Factory environments of the present and future.

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### Teach Hands-On Skills

#### Industrial Wireless Communication Training Features On-The-Job Components

Each Wireless Communication Training module comes with either an Allen-Bradley or Siemens wireless access point, as well as a key-plug memory module. The access points feature a radio, two R-SMA antenna connections, and integrated switches. The modules also come with a set of six antennas (detachable connection, omni-directional, radial rotation, 3/5 DBI, IP30, and 2.4/5 GHZ), and an Ethernet cable set.

#### Learn Industry-Applicable Wireless Communication Skills

With Amatrol's comprehensive curriculum, students cover a wide variety of Wireless Communication skills. For example, learners will study the function and basic operation of a wireless communication system; configure and

test a wireless communications system; and program and operate a PLC program that use a wireless communications system. Both modules, which can be self-directed or instructor-led, feature multiple lesson objectives, hands-on skill practice, and assessments following each lesson.

## Multimedia

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### Engaging, Highly-Interactive Multimedia

Amatrol's curriculum features a highly-interactive, multimedia format that includes stunning 3D graphics and videos, voiceovers of all text, and interactive quizzes and exercises designed to appeal to learners with different learning styles. The combination of theoretical knowledge and hands-on skills solidifies understanding and creates a strong basis for pursuing more advanced skills.

## Additional Info

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### • Additional Requirements

- [Mechatronics Learning System \(Allen-Bradley\) \(870-AB53A\)](#) or [Mechatronics Learning System \(Siemens\) \(870-S715\)](#)
- Amatrol Smart Factory Start-Up (90-START4.2)
- Computer: [See requirements](#)

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#### **Address**

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