

TOA IR Classroom Sound Systems






The new **Scholastic & Academy** Series-based Classroom Sound Systems are designed to be easy to specify, order & install. One model number gets you everything you need to achieve high-quality, reliable classroom sound & voice-lift. TOA **Scholastic & Academy** Series classroom systems help students learn better and allows teachers to communicate with less effort.

The **Scholastic Series** provides basic functionality with ample power, excellent intelligibility and even coverage throughout the classroom. The amplifier can accommodate up to three input sources (including wired/wireless mics, PC or DVD & MP3 Player), plus adjustable spare output for connection to assistive listening, recording or distance learning systems. The Infrared mic system (available with teacher's lanyard-style mic only or lanyard plus handheld mic for student - participation) can operate under conditions where most RF system cannot and there is no limit to the number of systems used school-wide. Mics can easily be moved from classroom to classroom without the need for "returning" frequencies. A choice of wide-range wall-mount speakers or wide-dispersion ceiling speakers provide flexibility of setup for various room conditions and offer excellent sound with consistent room coverage. All connection cables are also included.

The **Academy Series** provides all the same capabilities as the basic system, but with added functionality, inputs and power. The 35W mixer-amplifier can provide up to five inputs for a wider array of sources. The larger wall-mount speakers can provide better sound with deeper bass (for more engaging sound) and with the extra amplifier power, will cover more distance so students in the rear of the classroom hear as well as those in the front. The amplifier also features a module option slot which can be fitted with additional input types or a sound repeater module for playback of messages, classroom chimes or bell sounds which can sync with the school clock signal. A remote volume port allows use of a wall controller, which the teacher can easily access to change sound levels, even if the amp is hidden.

Scholastic Series	Product Description
<p data-bbox="418 1528 686 1560">Kit # SCK-W22010-</p>  <p data-bbox="418 1780 456 1812">30</p>	<p data-bbox="789 1444 959 1476">Kit Includes:</p> <ul data-bbox="837 1518 1190 1864" style="list-style-type: none"> • (1) BG-220 Mixer/amp • (2) F-1000B Wall-mount Speakers • (1) IR-702T Infrared Tuner • (1) IR-300M IR Lavalier Mic/Transmitter • (2) IR-520R IR Sensors • (1) IR-200BC Battery Charger • (1) IR-200BT Rechargeable NiMH Battery • (2) 25' Coax Cables • (1) 50' speaker cables

<p>Kit # SCK-W22010-</p>  <p>33</p>	<p>Kit Includes:</p> <ul style="list-style-type: none"> • (1) BG-220 Mixer/amp • (2) F-1000B Wall-mount Speakers • (1) IR-702T Infrared Tuner • (1) IR-200M Handheld IR Mic/Transmitter • (1) IR-300M IR Lavalier Mic/Transmitter • (2) IR-520R IR Sensors • (1) IIR-200BC Battery Charger • (2) IR-200BT Rechargeable NiMH Batteries • (2) 25' Coax Cables • (1) 50' speaker cables
<p>Kit # SCK-C22022-</p>  <p>30</p>	<p>Kit Includes:</p> <ul style="list-style-type: none"> • (1) BG-220 Mixer/amp • (1) F-2322C Ceiling Speaker • (1) IR-702T Infrared Tuner • (1) IR-300M IR Lavalier Mic/Transmitter • (2) IR-520R IR Sensors • (1) IR-200BC Battery Charger • (1) IR-200BT Rechargeable NiMH Batteries • (2) 25' Coax Cables • (1) 50' speaker cable
<p>Kit # SCK-C22022-</p>  <p>33</p>	<p>Kit Includes:</p> <ul style="list-style-type: none"> • (1) BG-220 Mixer/amp • (1) F-2322C Ceiling Speaker • IR-702T Infrared Tuner • IR-200M Handheld IR Mic/Transmitter • IR-300M IR Lavalier Mic/Transmitter • (2) IR-520R IR Sensors • IR-200BC Battery Charger • IR-200BT Rechargeable NiMH Batteries • (2) 25' Coax Cables • (1) 50' speaker cable

Academy Series	Product Description
<p>Kit # ACK-W33513-</p>  <p>30</p>	<p>Kit Includes:</p> <ul style="list-style-type: none"> • (1) BG-2035 Mixer/amp • (2) F-1300B Wall-mount Speakers • (1) IR-702T Infrared Tuner • (1) IR-300M IR Lavalier Mic/Transmitter • (2) IR-520R IR Sensors • (1) IR-200BC Battery Charger • (1) IR-200BT Rechargeable NiMH Batteries • (2) 25' Coax Cables • (1) 50' speaker cables
<p>Kit # ACK-W33513-</p>  <p>33</p>	<p>Kit Includes</p> <ul style="list-style-type: none"> • (1) BG-2035 Mixer/amp • (2) F-1300B Wall-mount Speakers • (1) IR-702T Infrared Tuner • (1) IR-200M Handheld IR Mic/Transmitter • (1) IR-300M IR Lavalier Mic/Transmitter • (2) IR-520R IR Sensors • (1) IR-200BC Battery Charger • (2) IR-200BT Rechargeable NiMH Batteries • (2) 25' Coax Cables • (1) 50' speaker cables
<p>Kit # ACK-C33522-</p>  <p>30</p>	<p>Kit Includes:</p> <ul style="list-style-type: none"> • (1) BG-2035 Mixer/amp • (1) F-2322C Ceiling Speaker • (1) IR-702T Infrared Tuner • (1) IR-300M IR Lavalier Mic/Transmitter • (2) IR-520R IR Sensors • (1) IR-200BC Battery Charger • (1) IR-200BT Rechargeable NiMH Batteries • (2) 25' Coax Cables • (1) 50' speaker cable
<p>Kit # ACK-C33522-</p>	<p>Kit Includes:</p>



Features & Benefits:

8 Kit models to choose from offering flexibility for different requirements:

- 20 Watt or 35 Watt Amplifiers
- 3 input or 5 Input Mixers
- Wall-mount or Ceiling-mount speakers
- Teacher's lanyard mic or Teacher's plus student hand-held mic.
- Several options to suit various needs

Mixer/Amp:

- All mixer inputs assignable to ZONE 2 output
- Module Slot accepts most TOA plug-in modules for custom system configurations (**BG-2035**)
- All inputs assignable to Mute Receive bus
- Rear panel-mounted DIP switches allow easy settings
- Power outputs available at 4 Ohm, 25V & 70V for more system flexibility
- Unbalanced Line Output can be used for an extra zone or for recording
- Bass & Treble controls on front panel) allow independent adjustment for main output
 - Recessed to prevent tampering with settings
- Remote Volume Control port provided for use with standard VC potentiometer (**BG-2035**)
- Thermal Protection Circuitry prevents potential damage from excessive heat build-up
- AC Mains Circuit Breaker
- Input Signal present, Peak & Power On indicators on front panel
- Supplied security caps (YA-920) for volume knobs to prevent unauthorized adjustment
- **UL/cUL Listed**

Speakers:

- **F-1000/1300B:**
- Flexible wall or ceiling mount with supplied angle adjustable bracket
- Wide frequency response for highly intelligible sound quality
- 110 degree H x 100 degree V dispersion for wide coverage
- Built-in speaker protection circuit for low & hi drivers
- Diamond-facet design provides more rigid construction and reduces speaker resonance, which otherwise can create distortion and lower sound output
- **F-2322C:**
- Provides wide 170 degree dispersion, which allows a single speaker to evenly cover an average classroom with intelligible sound
- Integrated metal back-can
- Easy mounting rim hardware with supplied reinforcement ring
- Removable, paintable metal grille for easy access to power level settings (when used in high-impedance mode)

IR Wireless System:

- System can accommodate two simultaneous mics per classroom
- No need to change or coordinate channels in each room. Mics can easily move from room to room
- No interference from RF sources (TV, radio, mobile communications)
- Audio remains within each room and is totally secure (no transmission outside room)
- Dual transmitter LEDs provide better coverage even when not facing receiver directly
- Multiple sensors (2 supplied) provide wide pickup area. System can be configured with up to 16 sensors (though 2 is generally more than sufficient)
- Mic transmitters are light-weight and comfortable and are designed with an anti-bacterial coating to reduce spread of germs
- Independent volume controls for each mic channel
- **Five Year Warranty on all products**

Scholastic Example
(Wall-mount speakers)



Academy Example (Ceiling speakers)



Kit Options:

- **F-2322C Ceiling Speaker.** For additional room coverage where needed.
- **IR-510R Dome IR Sensor.** For wider pick area in larger rooms or where additional mobility is required.
- **ML-11T Switchable Mic/Line Input Module** (for BG-2035 only)
- **S-20S Message repeater Module** (for BG-2035 only). Used for classroom

- tones and other repeating messages.
- **Rack-mount kit for single [BG-220](#) unit (MB-25B-BK)**
 - **Rack-mount kit for single [BG-2035](#) unit (MB-1000)**
 - **Rack-mount kit for single [IR-702T](#) unit (MB-WT3)**

Applications:

- Schools
- College Lecture Rooms
- Corporate Boardrooms
- Conference Centers