

140MAX Pack



The Crown® 140MAX Pack is the first tuner-mixer-amplifier and loudspeaker system designed for commercial use. It is designed for easy installation by the user. Applications include restaurants, retail stores, coffee shops and other commercial establishments.

The system includes the Crown 140MAX tuner-mixer-amplifier, two JBL® Control® 1S 2-way loudspeakers, and two 25-ft. speaker cables.

Built into the 140MAX is an XM Radio tuner that receives satellite radio stations with digital sound quality. A front-panel LCD screen displays XM Radio channel data (channel number, channel name, artist name, song title) 16 station presets and signal strength.

The unit also accepts signals from line, telephone, or microphone (phantom power included). The priority ducking feature drops the volume of the background music when a microphone is used. A VOX sensitivity setting controls how loud the voice must be before ducking occurs.

The built-in power amplifier provides 40 watts into a 4-ohm output (for use with the supplied JBL Control 1S loudspeakers). Current and thermal limiting protect the amplifier and loudspeakers from accidental overload.

140MAX Specifications

Performance

Frequency Response (at 1 watt from 4-ohm tap): 80 Hz to 15 kHz \pm 1 dB.

Power Bandwidth (at 4-ohm tap, 2 dB below maximum 1 kHz power): 80 Hz to 20 kHz with < 0.5% THD.

Signal to Noise Ratio (ref. to rated power, master volume at minimum): 85 dB.

DC Output Offset: < \pm 5 mV.

THD: Less than 0.5% at rated power at 1 kHz.

Features

- Ideal for commercial and industrial use; can be installed by the user
- 4 inputs, one input volume control, and one 40W amplifier output channel
- Balanced Phoenix-type mic/line input; XLR-type mic input, dual RCA stereo music inputs, screw-terminal speaker outputs
- Programmable XM Radio tuner with XM channel data display
- Priority ducking
- XM Radio Music-On-Hold outputs
- Two JBL Control 1S 2-way 8-ohm speakers with cables included
- One-Year, No-Fault, Fully Transferable warranty completely protects your investment and guarantees its specifications

Input Sensitivity (for full output at maximum gain):

Balanced mic inputs: 3 mV.
Balanced line inputs: 800 mV.
RCA connectors: 400 mV.
Telephone connector: 75 mV.

Input Impedance (nominal):

Mic: 400 ohms.
Line: 100 kilohms.
RCA: 50 kilohms.
Telephone: 600 ohms.

Crosstalk: -70dB at 1kHz.

Line Output Level (nominal): 1V into 10 kilohms.

Phantom Power: 15 VDC.

AC Line Voltages Available:

120V, 60 Hz. Line voltage tolerance +10%, -20%.

Operating Temperature/Humidity: 0° C to 40° C at 95% relative humidity (non-condensing).

Storage Temperature: -20° C to 85° C.

Front Panel Controls and Indicators

Power Switch: Pushbutton on-off switch.

Input Volume Control (Levels): One detented encoder with knob. Microphone/line (switchable).

XM Tuner Menu Button: Selects Direct, Preset or Category mode.

XM Tuner Category Buttons: Scrolls through categories (rock, classical, news, country, etc).

XM Tuner Scroll Knob: Lets you scroll through channels and select them.

XM Tuner Display: LCD screen displays XM Radio channel data (channel number, channel name, artist name, song title), 16 station presets and signal strength.

Power Indicator: Blue LED indicates power on.

Back Panel Controls, Connectors and Indicators

MOH 1V Level Control: Trim pot adjusts level for Music-On-Hold 1V output.

MOH Signal Presence Indicator: Flashes when MOH signal is present.

MOH 1V Line Output RCA Connectors: Two RCA connectors (mono) for 1-volt output (in parallel with 600-ohm connectors, so they are isolated).

MOH 1V Line Output Phoenix Connector: 3-pin Phoenix connector, 600-ohm transformer-isolated output, provides Music-On-Hold signal of approximately 1 volt.

Amplifier Output Connectors: 2-position terminal strip with COM (Common) and 4-ohm terminals. Accepts up to 10 AWG crimp-on terminal forks. Non-touch cover included.

AC Power Cable: Permanently attached.

XM Radio Stereo Line Out Connector: Dual RCA jacks for stereo music out from XM Radio tuner.

Priority Connector: 3-pin Phoenix-type connector for push-to-talk mic switch. Contact closure activates ducking. Ducking does not affect Music-On-Hold outputs or XM stereo line out.

140MAX

Minimum guaranteed power into 4 ohms

*1 kHz Power

40W

*1 kHz Power: refers to maximum power in watts at 1 kHz with 0.5% THD.



INSTALLED

140Max Pack



140Max back panel

Active Indicator: LED illuminates when VOX ducking is active.

VOX Threshold: Trim pot adjusts how loud the voice must be before ducking occurs. Can be set for no ducking.

Priority Release Control: Trim pot adjusts release time of VOX ducking.

Mic/Line Input Connector: 3-pin Phoenix-type, balanced.

Mic Input Connector: XLR-type, balanced.

Phantom Power Switch: Turns phantom power on or off for Phoenix-type input connector and XLR input connector.

Mic/line Switch: Selects mic-level or line-level signal for Phoenix-type input.

Dual RCA Input Connector: For stereo music signals, unbalanced, summed together, two connectors per input.

TEL Input Connector: Transformer-isolated 600-ohm input, summed into input for paging from a telephone system.

XM Radio Antenna Connector: Connects to XM antenna cable.

RS-232 Port: Not currently active. For future diagnostics use.

Cooling

Convection cooled.

Protection

Current Limit Protection: Included.

Thermal Limit Protection: Over-temperature thermal cutout.

DC-Fault Load Protection: Included.

Included Accessories

- Phoenix-type connectors
- Spade lugs
- XM antenna
- Remote control

Dimensions

- Width (without rack ears): 17.3 in. (43.8 cm).
- Height (front panel): 3.5 in. (8.9 cm).
- Height (including feet): 4.1 in. (10.5 cm).
- Depth (front panel to back panel): 12.2 in. (31.0 cm).
- Depth (front of knobs to back of non-touch cover): 13.9 in. (35.2 cm).

Weight

Net Weight (140Max): 20 lb (9.07 kg).

Shipping Weight (complete system): 43 lb (19.5 kg)

JBL Control 1S Loudspeaker Specifications

Frequency Range: 70 Hz - 20 kHz (-10 dB).

Power Capacity: 150 watts (test signal of IEC filtered random noise with a peak-to-average ratio of 6dB, 2 hrs duration).

Sensitivity: 87dB/1W/1m.

Nominal Impedance: 8 ohms.

Crossover Frequency: 6 kHz.

Components: 135 mm (5 1/4 in) low frequency loudspeaker. 19 mm (3/4 in) polycarbonate dome tweeter.

Enclosure Material: Structural foam.

Finish: Black, grey or white.

Termination: Spring terminal (adapted to accept dual banana plugs).

Dimensions (HxWxD): 235 x 159 x 143 mm (9.25 x 6.25 x 5.625 in.).

ONE-YEAR LIMITED WARRANTY

Crown International, 1718 West Mishawaka Road, Elkhart, Indiana 46517-4095 U.S.A. warrants to you, the ORIGINAL PURCHASER of the 140MAX PACK, for a period of one (1) year from the date of purchase by the original purchaser (the "warranty period") that the 140MAX PACK is free of defects in materials and workmanship.

See your authorized Crown dealer or the 140MAX PACK operation manual for full warranty disclosure, exceptions and details. For customers outside of the USA, please contact your authorized Crown distributor for warranty information or call 574-294-8200.



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