About this guide
This guide explains how to install and activate the Ovation Digital Jukebox. Ovation is different from conventional jukeboxes, both in the way it operates and in the way it is installed. It is therefore strongly recommended that you review this guide thoroughly before you begin. For detailed information on planning your installation, refer to the Ovation Operator’s Manual on the TouchTunes web site.

Service and support
For service and support issues, call the TouchTunes 24/7 Service Hotline at 888-711-5853. You must provide the Jukebox ID number to obtain service. This number can be found underneath the front of Ovation or inside to the right of the fan.

Components
Ovation ships in several boxes. If any component appears to be damaged, do not attempt to use or install the system. Notify TouchTunes or your local distributor immediately.

Verify that you have received the following components:

<table>
<thead>
<tr>
<th>Ovation</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Ovation Digital Jukebox with power line installed</td>
<td></td>
</tr>
<tr>
<td>1 Ovation wall bracket</td>
<td></td>
</tr>
<tr>
<td>1 Parts kit containing:</td>
<td></td>
</tr>
<tr>
<td>1 Remote control (part #: 700031-001)</td>
<td></td>
</tr>
<tr>
<td>1 Remote control mounting bracket (part #: 400188-001)</td>
<td></td>
</tr>
<tr>
<td>2 AAA batteries</td>
<td></td>
</tr>
<tr>
<td>2 Keys (ilco #549)</td>
<td></td>
</tr>
<tr>
<td>1 Female RCA to DIN Adapter (part #: 300141-012)</td>
<td></td>
</tr>
<tr>
<td>1 Male RCA to DIN Adapter (part #: 300143-012)</td>
<td></td>
</tr>
<tr>
<td>2 Wall bracket screws</td>
<td></td>
</tr>
<tr>
<td>3 Terminal connectors (four-position Euroblock - part #: 1000000-001). Two for connecting external speakers and one for connecting an optional microphone.</td>
<td></td>
</tr>
</tbody>
</table>

Hard drive (shipped separately)

Dimensions and weight

<table>
<thead>
<tr>
<th></th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crated</td>
<td>41”</td>
<td>32”</td>
<td>18”</td>
<td>142 lbs.</td>
</tr>
<tr>
<td>Uncrated</td>
<td>37 1/4”</td>
<td>27 1/4”</td>
<td>11 1/4”</td>
<td>125 lbs.</td>
</tr>
</tbody>
</table>

Important safety information

- Read all safety instructions before installing this product.
- Keep all instructions for future reference.
- Heed all warnings.
- Follow all instructions.

**CAUTION:** Ovation components are heavy and represent a serious safety hazard if their mounting system should fail. Therefore, installation should only be performed by an experienced installer or licensed contractor that is familiar with standard rigging, mounting, and hanging practices, as recognized by a licensed engineer or governmental agency in your area.

**CAUTION:** Ovation mounting components are ETL listed and CSA approved only when used as specified in this guide. Any other use or modification of the mounting components is expressly prohibited, as this may present an unacceptable risk of structural failure.

**CAUTION:** Do not install Ovation near any heat sources, such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

**CAUTION:** Do not defeat the safety purposes of the grounding-type plug. A grounding-type plug has two blades and a third grounding prong. The wider blade or the third grounding prong are provided for your safety. If the provided plug does not fit in your outlet, consult an electrician for replacement of the obsolete outlet.

**CAUTION:** See product enclosure for safety related markings and refer to the Ovation Operator’s Manual on the TouchTunes web site for additional safety information.

**CAUTION:** Dispose of used batteries in accordance with the regulations in your area. Do not incinerate.

**CAUTION:** The lights inside Ovation contain mercury. Disposal of this material may be regulated in your area due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance at www.eiae.org.

**CAUTION:** Unplug this apparatus when unused for long periods of time.
FCC Notice

This equipment has been tested and found to comply with limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Note: Unauthorized modification of the receiver or radio remote control could void the user's authority to operate this equipment.

This product complies with the Canadian ICES-003 Class A specification.
Important concepts

Wiring overview

Audio Input
Ovation can accept input from a microphone and an external sound source. For instructions on how to make these connections, refer to the Ovation Operator’s Manual.

Jukebox registration
To avoid unauthorized use of the jukebox, each jukebox has a registration number assigned to it. To activate the jukebox, you must enter its registration number. The jukebox then calls the TouchTunes server to validate the number. If the registration number is valid, the server activates the jukebox. If not, the jukebox remains inoperative.

Once a jukebox has been activated, all jukebox features come into effect.

Sleep mode
Sleep mode provides a way for operators to temporarily deactivate the jukebox so it can be moved to a new location. Before the jukebox is moved, it is placed into sleep mode. After arrival at its new location, the jukebox must be re-activated using the appropriate registration number.

Important: Sleep mode must always be used when moving the jukebox.

Nightly song queue purge
This feature automatically deletes all unplayed songs that are in the queue if the jukebox is turned off (using the Night Mode button) for more than four hours. This way, when the jukebox is turned back on, a location is not forced to play songs queued up the previous evening.

The four hour time period can be customized in the range of 1 to 14 hours. To do this, you must contact the Touchtunes service hotline at 1-888-711-5853.

This feature is on by default. To turn it off you must contact the Touchtunes service hotline.

Nightly communications
Every night the jukebox calls the TouchTunes server. This call serves several important purposes:

- **Reports daily income:** TouchTunes uses this information to calculate revenue for the jukebox.

- **Reports the number of plays for each song:** This is required so that TouchTunes can track its royalty obligations and make the appropriate payments to music publishers.

- **Downloads updates to the jukebox software (if required):** This ensures that whenever updates are available, all jukeboxes in the field are automatically upgraded.

- **Downloads new songs:** Operators can create a list of songs they want to add to the jukebox and the songs are automatically downloaded when the jukebox calls the server. The jukebox also has a *Vote for Download* feature. When enabled, it allows customers to vote for their favorite songs. The song that obtains the most votes every week is downloaded and added to the jukebox. If you signed up for the revenue enhancement program, TouchTunes automatically manages the songs on the jukebox for maximum profitability during the nightly call.

- The jukebox uses the Internet to communicate with the TouchTunes server. Using the area code of the location’s phone number, the jukebox determines the nearest ISP (Internet service provider) to call.

Failure to communicate
A jukebox that fails to communicate with the TouchTunes server will eventually be disabled. This occurs as follows:

- If the jukebox fails to communicate with the TouchTunes server for several consecutive days, a red telephone icon appears in the top right corner of the Attract screen. This warning icon will appear for the next few days. If you touch this icon, the jukebox displays the message “This jukebox will be disabled in XX days.”

- When the jukebox becomes inoperable, instead of the Attract screen you will see the message “This jukebox has been deactivated. Please contact your operator.”
Installing the phone line

Ovation requires an analog telephone line to communicate with the TouchTunes server. Once connected, Ovation will call out once daily at the time you specify (typically during non-business hours). This daily communication is critical for proper operation. It enables Ovation to retrieve system software updates and download new music.

Ovation can usually share an existing phone line with other devices, such as phones, fax machines, or alarm systems. A dedicated phone line is not necessary. However, some devices, such as computerized telephones, lottery terminals, and ATMs, can cause conflicts on a shared line. You can usually resolve these conflicts by contacting the operator of the other equipment and coordinating call and answer times.

- **Alarm systems**: Most current alarm systems communicate over telephone wiring. These systems usually have the telephone line connected directly from the demarcation point (service entry) to the input side of the alarm. Telephones and Ovation should be connected to the phone side of the alarm.

- **Digital phone systems**: If the location has a digital phone system, the Ovation phone line must be connected to the analog line in front of the digital phone system.

**Running a new phone cable**

*Note: As of February 1, 1996, the telephone company states, for single-line residence or business telephone service, that the owner is responsible for the installation and maintenance of telephone wiring after the demarcation point.*

In most cases, you will need to run a new phone cable from the demarcation point (also known as the telephone network interface, or service entry) to the spot where Ovation will be installed.

The demarcation point is located where the outside phone line enters the building. By running new, quality cable directly from this point to Ovation, you can avoid potential problems caused by existing wire connections that may be poorly made.

**Recommended parts and tools**

- Phone line polarity tester (available at Radio Shack).
- Phone cable with RJ11 connectors (7’ long). Used to connect Ovation to the phone jack.
- Four-conductor telephone modular wall jack.
- Four-conductor round telephone cable. Used to connect the phone line from the demarcation point to the wall jack.
- Any analog phone without filters or a Butt-in set. Used to listen to the newly installed phone line.

**Installation tips**

- Always use good quality cable and make the cable run as short as possible. This will cut down on potential problems with line noise.
- Avoid using phone line splitters to tap into an existing jack.
- Make sure that the phone line is not routed over or near fluorescent or neon lights. Electrical noise generated by these devices can interfere with the phone line.
- It is not uncommon for a telephone line to pick up a radio station. To diagnose this problem, use a cheap telephone without filtering, or a Butt-In set. You must determine if the noise is on the telephone company’s equipment or being picked up on the inside wiring. Disconnect the inside wiring at the demarcation point. If the noise disappears, it is on the phone company’s wiring and they must fix it.
- Wire both ends of the phone cable to the same colors (as indicated). The jukebox generally uses the red and green wires for its phone line. Typically, the green wire has positive electrical polarity and the red wire is negative.

- Once installation is complete, use a polarity tester to verify the line.
- Make a call to any 877 prefix toll free number to ensure that calls to this prefix are not blocked.

**CAUTION:** Telephone wires typically carry low voltage, but if you are touching the wires when the phone rings, you can receive a substantial jolt. Enough current is still sent through the line to activate the old style mechanical ringing devices.

Do not work on phone lines during a thunder storm, since an electrical strike can send excessive current down the line.

To minimize the risk, always make the connection to the live phone line or to the demarcation point after you have completed all other connections.
Rear panel
- Cable channels: All cables are routed through the cable channels on the rear of the unit.
- Volume buttons: Provide manual control of the jukebox volume.
- Night Mode button: Turns off the monitor, lights, and bill collector. The computer remains active so it can call the TouchTunes server.

Inside Ovation
- Wire strain-relief bracket: This is where cables are routed out of the jukebox and into the cable channels. Once the bracket is tightened, the cables are secure so they cannot be pulled out.
- Wall bracket screws: Used to secure the jukebox to the wall bracket.

Connector panels
- Phone line connector: Connects the jukebox to a phone line so it can communicate with the TouchTunes server.
- Reset button: Press to restart the jukebox.
- Manager button: Activates the operator menu which enables you to configure all Ovation settings.
- Microphone: For connection of a balanced, low-impedance (less than 600 ohms), dry contact microphone. Use the supplied four-position Euroblock connector to attach the microphone cable.
- Auxiliary sound input: Use the supplied RCA-to-DIN adapters to attach an auxiliary sound source input.
- Audio outs: Audio out 1 and 2 are connected to the integrated jukebox amplifier by default. If required audio out 1, 2 and 3 can be connected to external sound systems via standard category 5 cable. You can purchase prewired cable, or wire your own cable as follows:

<table>
<thead>
<tr>
<th>Color</th>
<th>Near End</th>
<th>Far End</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>white + orange</td>
<td>1</td>
<td>1</td>
<td>white + orange</td>
</tr>
<tr>
<td>orange</td>
<td>2</td>
<td>2</td>
<td>orange</td>
</tr>
<tr>
<td>white + green</td>
<td>3</td>
<td>3</td>
<td>white + green</td>
</tr>
<tr>
<td>blue</td>
<td>4</td>
<td>4</td>
<td>blue</td>
</tr>
<tr>
<td>white + blue</td>
<td>5</td>
<td>5</td>
<td>white + blue</td>
</tr>
<tr>
<td>green</td>
<td>6</td>
<td>6</td>
<td>green</td>
</tr>
<tr>
<td>white + brown</td>
<td>7</td>
<td>7</td>
<td>white + brown</td>
</tr>
<tr>
<td>brown</td>
<td>8</td>
<td>8</td>
<td>brown</td>
</tr>
</tbody>
</table>

If you need RCA outputs, a category 5 to RCA converter (Bal/Umbral DI box) is available from TouchTunes (part number 700003-001).
- Amplifier: Provides amplification for external speakers in two zones.
- System power switch: Turns off all power to the jukebox.
- Hard drive slot: The hard drive that holds all songs is installed here.
Installation procedure

Refer to the illustrations on page 5 as you install the jukebox:

1 **Attach the wall bracket**
The top of the wall bracket must be mounted 65 inches (5' 5") from the floor. Use a level to ensure that the bracket is level. Secure the bracket to the wall using lag bolts and washers.

⚠️ **CAUTION:** Ovation components are heavy and represent a serious safety hazard if their mounting system should fail. Therefore, installation should only be performed by an experienced installer or licensed contractor that is familiar with standard rigging, mounting, and hanging practices, as recognized by a licensed engineer or governmental agency in your area.

2 **Hang the jukebox on the wall bracket**
Hang the jukebox on the wall bracket using the flange hooks on the rear. Allow the weight of the jukebox to set it into position.

3 **Open the jukebox**
The lock is located on the right side of the unit.

4 **Turn off the power**
Ensure that the system power switch is in the ‘0’ position.

5 **Replace the lock (optional)**
All Ovation jukeboxes are keyed alike. Therefore, for security reasons, you may want to replace the lock. The lock is a tubular cam lock. If you replace the lock, transfer the cam to the new lock assembly.

6 **Install the wall bracket screws**
Install the wall bracket screws to lock the jukebox to the wall bracket.

⚠️ **CAUTION:** The jukebox is NOT secure until these screws are installed.

7 **Install the hard drive**
Insert the hard drive into the slot labelled **REMOVABLE HARD DISK** and push gently until it is fully seated. Hand tighten the thumb screw.

8 **Remove the wire strain-relief bracket**
Locate the wire strain-relief bracket. Loosen the two screws and remove the bracket. This is the opening that all cables pass through. This includes phone line, audio input/output, microphone, and optional external light show cable.

9 **Connect the phone line**
Connect the phone line to the connector labelled **TELCO.** Route the cable through the strain-relief bracket and either up or down the cable channels on the back of the unit. Plug this cable into the modular phone jack you installed earlier.

10 **Connect external speakers**
Ovation does not contain internal speakers. Therefore, you must connect external speakers for the jukebox to play.

By default audio out 1 and 2 (on the connector panel) are connected to amplifier zone A and B respectively.

Connect external speakers to zone A and B using the supplied Euroblock connectors.

Route the cables through the strain-relief bracket and either up or down the cable channels on the back of the unit.

11 **Connect to an external sound system (optional)**
If required, use audio out 3 (on the connector panel) to connect to an external audio system.

Route the cable through the strain-relief bracket and either up or down the cable channels on the back of the unit.

12 **Connect the power cord**
Plug the power cord into a properly grounded wall outlet.

13 **Tighten the wire strength-relief bracket**

14 **Turn on the power**
Toggle the system power switch to the ‘1’ position.

15 **Close the jukebox**
Make sure that the unit is locked and the key is removed.

16 **Turn on the screen**
Press the Night Mode button on the rear of the unit to activate the screen.

**CAUTION:**
Ovation components are heavy and represent a serious safety hazard if their mounting system should fail. Therefore, installation should only be performed by an experienced installer or licensed contractor that is familiar with standard rigging, mounting, and hanging practices, as recognized by a licensed engineer or governmental agency in your area.

**CAUTION:**
The jukebox is NOT secure until these screws are installed.
Starting Ovation

1 **Startup**
   Turn on the power switch on the rear of the jukebox.
   Once power is applied, Ovation will display a series of startup messages, then the startup screen will open.

   ![Startup Screen](image)

   Icons at the bottom of the screen appear as each subsystem is initialized. Total startup time can be up to 5 minutes. (The first time the jukebox starts it may take longer, 5 to 15 minutes, depending on the number of songs on the hard drive.) If the jukebox pauses on any icon for more than five minutes, a problem may have occurred.

2 **Calibrate the touchscreen**
   The Calibration screen opens.

   ![Calibration Screen](image)

   To properly calibrate the touchscreen, stand directly in front of the jukebox as a customer would and follow the onscreen directions.

3 **Initialize screen**
   Once all subsystems are initialized the Initialize screen opens.

   ![Initialize Screen](image)

   Touch NEXT to start the installation procedure.

4 **Provide phone and calling information**
   The Phone Settings screen opens.

   ![Phone Settings Screen](image)

   a. In the CALLING WINDOW box, set the time during which the jukebox can use the phone line to call the TouchTunes server. Time is specified using military time (i.e., 00:00 equals midnight).

   The more time you make available, the more songs the jukebox will be able to download. It takes about 20 to 25 minutes to download a single song. The busiest time for the TouchTunes server is between 4 and 8 AM Eastern time. If you can set your jukebox to call outside this time, you may get better throughput.

   - **TIME OF DAY TO BEGIN CONNECTION:** Set this to one half hour after the location is locked up for the night (i.e., the time the last person leaves and locks the front door). The half hour gives you a buffer in case things are running late one night.

   - **TIME OF DAY TO END CONNECTION:** Set this to one half hour before the earliest person arrives and enters the location.

   b. If using a dial-up connection, enable the DIAL-UP option and set the following parameters:
• **WAIT FOR DAILTONE:** Disable this option if the location has a voice mail service installed on its line. When disabled, the jukebox will not check for a dial tone before dialing out, instead it will pause for two seconds then begin dialing.

• **DIAL 9 FOR EXTERNAL LINE:** Enable this option if 9 needs to be dialed to access an external line. For example, if a PBX is installed at the location.

• **TONE DIALING:** If the location uses pulse dialing, turn this option off.

• **CUSTOM DIAL PREFIX:** If an outgoing prefix needs to be dialed before the phone number, touch the **CONFIGURE** button, then use the numeric keypad to enter the prefix.

• If the location has call waiting, you should enter the prefix to disable it. In most cases this is *70. You may need to add a pause to the end of this sequence, as sometimes there is a delay before the dial tone returns. Use the # key to enter a pause. For example, the sequence *70## disables call waiting and then pauses twice before continuing to dial.

c. If using a broadband connection, enable the **BROADBAND** option and set the following parameters:

• **THROTTLE BANDWIDTH:** Enable this option to limit the total amount of bandwidth the jukebox will use. Touch the + and - buttons to increase or decrease the limit.

d. **LOCATION INFORMATION** identifies the jukebox to the TouchTunes server. Touch the **CONFIGURE** button next to each of the following parameters to set them.

• **LOCATION NAME:** Specify the name of the location.

• **TYPE OF LOCATION:** Choose a type from the list.

• **LOCATION PHONE NUMBER:** Enter the phone number of the location. If you are in your shop, enter the phone number of your shop. Later you will change this number to that of the location.

**Note:** The jukebox uses the phone number you enter to determine the most cost-effective way to call the TouchTunes server. If you enter an incorrect number, it could result in unnecessary charges on the location’s phone bill.

• **TIME ZONE:** Choose the time zone that the location is in.

e. Touch **NEXT.**

5 **Specify the registration password**
Enter the registration password and touch **CALL.**

The password should have been sent to you by fax prior to delivery of the jukebox. If you did not receive your password, call TouchTunes at 1-888-711-5853.

6 **Monitor the call to the TouchTunes server**
The jukebox will now dial out and attempt to connect to the TouchTunes server. The Diagnostic screen opens, enabling you to monitor the progress of the call. A successful call should take about ten minutes to complete.

If the call fails, you will see an error message indicating the problem that occurred. Refer to the **Ovation Operator’s Manual** for a description of all error messages and advice on how to correct them.

The following screen shows a call in progress.
If you successfully connected to the TouchTunes server and the registration password you entered was correct, communications will automatically finish and the Attract screen will open. (If the password was incorrect, you will be prompted to enter it again.)

Ovation is now operational.

7 Activate the Operator Menu
The Operator menu enables you to configure all Ovation settings. To activate the Operator menu, press and release a manager button. Two are available. One is located on the left side of the jukebox top connector panel. The other is located on the control board. Refer to the illustrations on page 5 for the exact location of each button.

The Operator menu has the following options.

Important: A safety feature automatically returns the jukebox to the Attract screen and normal operation if you leave any operator screen (except Telecom Diagnostics) idle for more than 1 minute.

Test and set sound levels

1 Open the Sound Mixer screen
On the Operator menu, touch SOUND MIXER. The Sound Mixer screen opens.

2 Run the sound test
   a. Under the heading SOUND TEST, touch TEST.
   b. Listen to the test at all speaker positions to ensure everything is functioning properly.
   c. During the test use the OUTPUTS sliders to adjust the volume of each zone.
      • JUKE: Controls the gain applied to paid or free plays.
      • MIC: Controls the gain applied to an external microphone.
      • AUX: Controls the gain applied to an external line level signal connected to the auxiliary inputs on the rear panel.
      • BGM: Controls the gain applied to songs played by the background music option.

   Final output volume is controlled by the VOLUME slider.

   The sound you hear during normal operation is governed by these two rules:
   a. The JUKEBOX sound source is played whenever there are songs in the play queue. It can only be interrupted by:
      • Pressing the PAUSE button on the remote control. This also switches to the AUX sound source if one is connected.
      • Pressing the TALK button on a connected microphone. This fades down the JUKEBOX according to the setting for MIC TALK-OVER JUKEBOX.
   b. The jukebox automatically switches to the AUX source if the jukebox is not in use and no song is currently playing, or the jukebox was paused using the remote control.

3 When you are done
   Touch BACK to return to the Operator menu.
Define pricing

In this step you test the coin and bill acceptors, set pricing levels for credits, and define the number of service and promotional credits that are available.

1. Open the Credit Settings screen
On the Operator menu, touch CREDIT SETTINGS. The Credit Settings screen opens.

2. Set pricing levels
The jukebox features a flexible pricing system which enables you to create multiple pricing schemes for use at different times of the day. For example, you could use a different pricing structure during Happy Hour or on Friday and Saturday nights. For details on this feature, see the Ovation Operator’s Manual.

   a. To set default prices, do the following:
      i. In the CREDIT RULES SET box, touch DEFAULT_SET.
      ii. In the SET PLAYS column, set the number of plays for each level.
      iii. In the SET PRICE column, set the dollar amount for each level.

      Note: The average price per song must decrease at each level. The jukebox will automatically determine if the pricing you set follows this rule. If not, the prices that are in error are displayed in red and the BACK button disappears. You cannot exit this screen until all price levels are valid.

   d. Once you have set valid plays and pricing for all levels, touch CONFIRM to store them, or touch CANCEL to return to previously saved prices.

3. When you are done
Touch BACK to return to the Operator menu.

Define music settings

1. Open the Music Settings screen
On the Operator menu, touch MUSIC SETTINGS. The Music Settings screen opens:

2. Adjust play queue options
   a. Turn on OVERPLAY to have the jukebox ignore multiple plays of a song. If the same song is added to the play queue more than once, it is only played once. (Note that the currently playing song is not counted.)
   b. Turn on RANDOM MODE to have the jukebox play back songs randomly, rather than in the order they were selected.

3. Configure Attract mode
When enabled, this feature causes the jukebox to automatically play a song when it has been idle for a specified amount of time. For details on scheduling, see the Ovation Operator’s Manual.

4. Configure Background music
This feature lets you define certain times during the week that the jukebox will randomly play songs. You have control over the day and time songs are played, how they are selected, and the volume level at which they are played. Background music automatically stops if a customer plays a song. It will automatically resume once the play queue is empty. For details on scheduling background music, see the Ovation Operator’s Manual.

5. Configure the Vote for download feature
When this feature is enabled, customers are prompted to vote for their favorite song not currently on the jukebox, after they make a paid selection. When the voting period expires, the song with the most votes is downloaded.

6. Enable the Top 10 feature
When this feature is enabled, customers are able to select a song from the ten most popular songs on the jukebox. The Top 10 icon is only visible when a minimum of 10 songs on the jukebox have been played at least once. This ensures that at least ten “top” songs exist.

7. Set the Song length limit
This option enables you to limit the playing time of songs. When a song reaches the limit you set, it is faded out.
Enable the remote control

The remote control is RF-based. This eliminates the need to point it directly at the jukebox when using it. It has a range of up to 200 feet depending on the type of the obstructions between it and the jukebox. Concrete and metal provide more of a barrier than wood or plaster. It can also be affected by interference from other RF-based devices.

The remote control is powered by two 1.5V AAA batteries. Insert the batteries in the compartment on the rear of the remote. Use only high-quality alkaline batteries.

1. Set the remote control ID
   By default, the remote control ID is set to 000. Change it as follows:
   a. Press the POWER and F4 keys at the same time and hold them down until the red indicator light blinks two times.
   b. Enter the new three-digit code to use. The new code must be in the range 000 to 255.
   c. The red indicator light will light up for three seconds to confirm your selection. If you enter an invalid code the light will blink five times.

2. Open the Systems Settings screen
   On the Operator menu, touch SYSTEM SETTINGS. The System Settings screen opens:

3. Enable the remote control
   a. In the REMOTE CONTROL OPTIONS box, set ENABLE REMOTE CONTROL to ON.
   b. To allow the remote control to skip a song that is playing (P3 button), turn on SKIP MODE ON REMOTE.
   c. Next to LEARN REMOTE CONTROL ID, touch LEARN.
   d. Watch the monitor. When prompted, press the MIKE VOLUME UP key on the remote control. The monitor will return to the System Settings screen.
   e. Touch BACK to return to the Operator menu.
   f. Test the remote by raising and lowering the jukebox volume as it is playing.

About the Carrier frequency
By default, the remote setup to communicate with Ovation II. If you need to change it to communicate with another jukebox, do the following:

1. Press the PAUSE and F1 keys at the same time and hold them down until the red indicator light blinks two times.

2. Enter the three-digit numeric code for the frequency you want to use.
   - 027 for 27.145 MHz, which is compatible with jukeboxes that use the old receiver/demodulator (Genesis I, II, Ovation, Rhapsody)
   - 433 for 433.92 MHz for Ovation II. Default setting.

3. The red indicator light will light up for three seconds to confirm your selection. If you enter an invalid code the light will blink five times.
Explain operation to location staff

It is important that location personnel are familiar with the operation of Ovation. Take a few minutes to cover the following topics with them.

**Coin and bill mechanism**
The jukebox accepts only $1, $5, $10, and $20 bills (old and new) four ways, and US 25 cent and $1 coins.

**Power**
- Show the Night Mode switch on rear of jukebox.
- Explain that the Night Mode button turns off the jukebox monitor and audio subsystem only. The computer inside the jukebox is always running since it calls TouchTunes every night. For this reason, the jukebox should **never** be turned off by pulling its plug or shutting circuit breakers that cut power to its wall outlet.
- Explain that pushing the on/off button on the remote is the same as pushing the Night Mode button.

**Volume buttons**
Show the backup volume control buttons on the rear of the jukebox and explain that they can be used if the remote is broken, lost, or low on battery power.

**Customer interface**
- Show how a song is selected and is played.
- Explain credit settings and the schedule you have set for them.
- Explain the following features if enabled: vote for download and promotional game.

**Songs**
- Explain random play and overplay modes if you have enabled them.
- Mention that new songs can be added to the jukebox as needed. Staff will know what customers want to hear and will be able to give you valuable information in this regard.
- Explain that the jukebox calls out on the phone line every night (after business hours) and that this is how songs are added. Indicate the time range you set for the nightly call and caution staff against picking up the phone during this period as it can disrupt communications. If the jukebox is interrupted during a call it will recover, sometimes by calling again. However, if the nightly call fails for any reason, a phone icon will appear on the Attract screen. Staff should call you if this occurs.
- Explain that if the jukebox is turned off (using the Night Mode button on the rear) for more than four hours, the song queue is purged.

**Attract mode/background music**
Explain how attract mode and background music work and the schedule you have set for them.

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**Remote control**
Explain that the remote does not need to be pointed directly at the jukebox, and will function through walls and other obstructions. Concrete and metal provide more of a barrier than wood or plaster. The remote control can also be affected by interference from other RF-based devices.

**Remote key assignments and functionality**
The keys on the remote are pre-programmed for the following functions.

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>Press to turn the jukebox monitor and audio subsystem on or off. The jukebox computer remains on. Equivalent to pressing the Night Mode button on the jukebox (not available on all models).</td>
</tr>
<tr>
<td>Pause</td>
<td>Pauses the jukebox.</td>
</tr>
<tr>
<td>Numeric keys</td>
<td>Used to program the remote and for future use.</td>
</tr>
<tr>
<td>MIC VOL</td>
<td>Raises and lowers the volume of the microphone within the limits set on the Mixer Settings screen.</td>
</tr>
<tr>
<td>P1</td>
<td>Give promotional credit: Press and release this button to add a credit to the jukebox. Credits are deducted from the promotional credit count. The promotional credit feature is enabled/disabled on the Credit Settings screen.</td>
</tr>
<tr>
<td>P2</td>
<td>For future use.</td>
</tr>
<tr>
<td>P3/Skip</td>
<td>Skip song: Quickly press and release this button to stop playing the current song and immediately skip forward to the next song in the queue. The skip song feature is enabled/disabled on the System Settings screen. Flush play queue: Press and hold this button for four seconds to flush the entire play queue.</td>
</tr>
<tr>
<td>VOLUME ZONE 1, 2, 3</td>
<td>Raises and lowers the volume of the selected zone within the limits set on the Sound Mixer screen.</td>
</tr>
<tr>
<td>F1, F2, F3, F4</td>
<td>For future use.</td>
</tr>
</tbody>
</table>

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