THE VERDIN ADAGIO GENERAL DESCRIPTION
“Ring the bells and share the good news to the community!”

KEY BENEFITS

Verdin innovation delivers the most requested digital electronic carillon features including unmatched ease of operation, stellar sound quality, best in class versatility, and proven reliability backed by the oldest and largest bell/carillon company in the U.S.

- The Verdin Company again raises the bar with the new Adagio. The Verdin Adagio’s 10 inch color touch screen makes it today’s Easiest Carillon to Use and Operate. The Adagio requires the lowest number of key strokes to play bells, schedule, or operate music. Its easy to understand menu selections provide complete information, including song title, day, date, and time, in complete listings, right on the screen. Simply pull down the calendar, pick a date, and enter the musical selections and play times for that date.

- The Verdin Adagio features Cast Bronze Bells – the Worlds Most Majestic Musical Instrument. Digitally sampled & recorded sounds of 48 Cast Bronze Bells – 4 Complete Octaves deliver the True Sound of Cast Bronze Bells.

- The Verdin Adagio is Customizable to meet your individual needs. The Adagio provides four sets of Liturgical Bells – the 1990 series, 3300 series, and 4730 series, as well as, American series, for you to choose. Music is provided in three voices for each song – Traditional Cast Bell, Cast Bell with Harp Accompaniment, and American Bells; plus special Christmas and Patriotic song books are played with American bells in harmony style. The main screen’s 7 Instant Play Functions are selected by you.

- The Verdin Adagio provides a large music package that includes liturgical bells, Westminster chime & clock strikes, and hundreds of appropriate hymns & songs in the music library – At the Touch of Your Finger!

- The Verdin Adagio includes an Instant Play, Full Function Wireless Remote control to start and stop any of the 7 Instant Play Buttons from the main screen or any musical selection it its vast music library. You can customize music play for an event or season of the year with these functions. The remote is powerful enough to operate the carillon from up to 600 feet away in a direct line of sight.
The Verdin Adagio digital carillon offers the Greatest Value and Convenience through its large, 10-inch color “touch” screen, easy to read menu screens, the quick and easy manual play and event scheduling, and the wide selection of music.

The Adagio carillon includes the ability to connect via Computer/Local Area Network Interface. This interface allows control of quick play, scheduling, and other operations of the Adagio by computer. Directly connect a computer to the Ethernet connection on the Adagio carillon and play any selection instantly and live from the computer or directly schedule programs and events instantly and live. Or, connect the Adagio directly to a Local Area Network via the Ethernet connection and operate the carillon remotely by any computer also connected to the local area network.

The Verdin Adagio, in addition to the prerecorded bells, has the ability to play user MP3 music files. You are able to load your favorite songs or hymn selections, previously recorded in MP3 format, into the Adagio for replay. These selections can be played using the instant play functions or scheduled to play at future dates and times, just like the bell selections. This allows one to upgrade the Music Library at any time. Alert Tones are also available from Verdin.

The Verdin Adagio has the ability to store many hundreds of user MP3 file selections for an ever expandable music library.

The Verdin Adagio can be operated in three ways: directly from the Adagio console, remotely from your computer on a LAN network to the Adagio Ethernet connector, and instantly through the wireless remote control.

Electronic volume control, to reduce volume at night or day.

Automatic Daylight Saving time reset.

Non-volatile FLASH memory; 10 Year battery back-up for clock setting.

Software Lock with Security Password to control access to the carillon.

Season Apropos Music enabling the playing of a random song according to the Internal Seasonal Almanac.

Review the days scheduling at any time.

Westminster Chime Melody and hour strikes.
GENERAL DESCRIPTION

The Verdin Adagio Carillon may be configured as simply as a carillon product ready to be connected to an external amplification system. The Adagio Carillon may also be configured as a complete carillon system with options including a locking steel cabinet, amplifier, monitor speaker, wireless remote control and four exterior projection horns with multi-tap compression drivers. The music package includes a wide range of carillon bell music: hymns and carols, liturgical bell functions, Westminster clock chime melody, hour strike and favorite hymns. The standard music package combines appropriate hymns with seasonal and patriotic selections, allowing most of the hymns and songs to be played in any of three voices, traditional cast bronze bells, bells with harp, or American bells. The system has the ability to schedule changes of hymn libraries as the seasons change, i.e., Lent, Advent, Patriotic Holidays, Thanksgiving, Christmas, Easter, etc. The Adagio carillon includes automatic Daylight Savings/Standard time adjustment including the Liturgical Calendar for 50 years.

The Adagio can voice bell towers, church spires, tower clocks, libraries, memorials, monuments, cemeteries, or courthouses.

The bell-ringing options include:

- Tolling Bells – (Funeral, Sanctus, Instant)
- Call to Worship/Mass Bells
- Angelus, Regina Caeli, & De Profundis
- Festive Wedding Peals
- Time Strike-Hour and Half Hour
- Westminster Chime Melody on any or all Quarter Hours
- Music for all Seasons…for Spiritual and Religious, as well as, Civic
- The Westminster Chimes can be selected for all four quarter-hours, half-hours, hours only, or none.

The Verdin Adagio Carillon also has an expansive library memory that has the capacity to store many hundreds of user MP3 musical selections depending on the file size.
SYSTEM CONTROLS

The Verdin Adagio Carillon is fully programmable to any minute, hour or day, thus allowing maximum flexibility in the ringing of the bells. All system scheduling and operation is completed in a simple Windows® menu driven format. All songs and schedules are contained on easy to use drop down menus.

Choosing music selections and play schedules can be made by day, hour and minute. Simply pull down the calendar, pick a date, and enter the musical selections and play times for that date. All Holiday scheduling can be accomplished via a special Holiday drop down menu.

Additionally, seven easy short cut buttons may provide fast access to popular bell programs, such as a Funeral Toll or Celebration Peal as well as favorite hymns or song groupings.

A standard RCA cable connects the Adagio Carillon to a separate amplifier and speaker system for broadcasting the carillon’s music.

WIRELESS REMOTE CONTROL

An instant play, full function wireless remote control is included and provides a quick and flexible way of starting bell ringing or bell music to meet any situation. The remote will instantly start and stop the seven customized instant program shortcut functions or play any musical selection instantly in its vast music library.
SYSTEM BACKUP

All system programming is stored in a non-volatile FLASH Ram memory, which does not require battery backup. Battery backup is only for the clock module until power is restored from a power failure. The Adagio restores automatically after power outage.

MUSICAL SELECTIONS

**Standard Music:** The Adagio carillon comes complete with Westminster Chime and clock strikes, a wide selection of bells, peals, and tolls to customize the bell ringing that meet your needs, and an extensive list of hymns and songs. The complete music listing has been included as an addendum to this proposal.
AVAILABLE OPTIONS AND EQUIPMENT

**Verdin’s 240 Watt Amplifier** offers versatile features and outstanding value for professional installed sound applications, manufactured with proven quality and reliability.

Speaker outputs consist of 70.7 V, 25 V and 4 ohm. An auxiliary line output can be used for recording or connection to an external booster amplifier.

Other features include channel and master volume controls, bass/treble, processor insert jacks and output level meter. Short-circuit and thermal protection circuitry ensures extended operation.

**Verdin’s 300 Watt Digital Power Amplifier** has been designed from the ground up to be a true professional sound amplifier. All the desirable features have been incorporated as standards.

The HSDS system is designed into the output stage so that it can operate safely and continuously into any load impedance, including a dead short, without damage, over temp or shutdown. This reduces damage from improper installations and insures that the customer will obtain useful output, regardless of the load. Features include input and output line transient protection, user settable circuit breaker (no fuses to replace), and convection cooling (no troublesome fans or filters to clean).

The 300 Watt amplifier is fully transformer isolated and balanced input and output, subsonic and ultrasonic filters, exclusive SAT-SENSE™ current limiter adjustment, exclusive HSDS circuit allows safe operation into any load, soft-start (no tripped circuit breakers) regulated power supply, wide power line voltage range, low power consumption, low power dissipation (85% efficient), convection cooled, small size, light weight, and easily installed in any position.

**EXTERIOR SPEAKERS**

The Verdin Company uses reflex speaker projector horns with multi-tap compression drivers as part of the exterior sound system.

The Verdin reflex speaker provides both flexibility and quality sound for applications requiring reinforcement of the bell sounds, wide angle coverage and low distortion. This weatherproof unit is for use in various outdoor carillon installations where listening audiences cover large areas. The Verdin exterior speaker offers positioning flexibility and projection for horizontal, vertical, or stacked clusters enhancing its usage in various outdoor tower or rooftop installations. The unit has
an air column length of 4 ½ ft. Low frequency cut-off is 115 Hz. The dispersion angle of the horn is 120° by 60°.

The Verdin high power, compression driver is designed for use in conjunction with the exterior speaker. The driver provides maximum efficiency and extended heavy-duty performance to assure optimum bell sound penetration and excellent intelligibility in Verdin carillons where bell sound projection and frequency responses are demanded. The unit has full range power capacity of 40 watts above the low frequency cut-off of the projector horn. Rated frequency response is 100-3,700 +/− 5dB measured on a plane wave tube at 1 mW. Low frequency limit at full power is 300Hz.

INTERIOR HI-FIDELITY SOUND SPEAKER

An interior hi-fidelity sound speaker may be included in this carillon configuration. This hi-fidelity 12” coaxial interior loudspeaker is mounted in a versatile, flyable wood enclosure, with attractive, heavy duty grille assembly and durable black rough-coat finish. This speaker includes an internal, high efficiency 60 Watt 70.7/100V transformer. The compression driver may be tapped at 20, 40, or 60 Watts. This speaker is optimized for high ceiling applications such as churches or auditorium. The extreme high efficiency, 90 degree conical pattern output, and higher “Q”, with its powerful 12” speaker and multi-tap compression driver, provides the increased available SPL required in these high ceiling applications.

**SPECIFICATIONS**

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<tr>
<th>Specification</th>
<th>Value</th>
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<tr>
<td>Height</td>
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<tr>
<td>Width</td>
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<td>Depth</td>
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<tr>
<td>Sensitivity</td>
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A control panel is included for controlling audio output to the exterior and interior speakers.
INTERIOR WALL BAFFLE SPEAKER

An interior wall baffle speaker may be included in this carillon configuration. This loudspeaker features an attractive black fabric grille. Baffles are designed with a 9.5° slope to provide directional sound dispersion offset in the direction of radiation. Units are constructed of durable particle board and finished with a simulated oak vinyl covering.

Each cabinet contains a high-quality 8” dia. loudspeaker with a 5-ounce ceramic magnet and exhibits a wide frequency response with low distortion. A pre-assembled transformer is available in dual-voltage (25V/70.7V) with four power taps. Each package is also available with a 50Ω pot volume control for individual loudspeaker adjustment. Knob may be removed and volume adjusted with a screwdriver to provide additional security if required.

**SPECIFICATIONS**

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<tr>
<th>Specification</th>
<th>Measurement</th>
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<td>Height</td>
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**BELL SHELLS**

Verdin can provide as an option bell shells of varying sizes. These may also include pipe drops and hardware for attaching to the existing beams. Additional options include simulated clappers that can be installed inside the bell shells. The bell shells will be finished in a medium bronze color as per sample shown. Diameter sizes include:

39”, 28”, 21”, 18”, 16”

Upon receipt of final architect’s drawings, Verdin will provide a drawing showing these in place and details on the attachment should use exercise this option.
LOCKING STEEL CABINET

A locking steel cabinet may be included to secure your Adagio Carillon. The cabinet also houses the carillon’s amplifier. This cabinet includes a speaker to monitor and control the bells projecting from the tower speakers. It is designed for convenient placement on a table top or shelf, or mounted on a wall: Dimensions: H 18-1/2” x W 23-1/2” x D 20”

ELECTRONIC DIGITAL CARILLON WARRANTY

The Verdin Company warrants the Adagio carillon and amplifier equipment, when installed properly, to be free from defects in materials and workmanship for five years following the installation, provided that it is maintained in accordance with instructions provided by Verdin. Speaker and driver units are warranted for five years from installation. Purchaser’s exclusive remedy for any nonconformities or defects in the Products within the warranty period will be limited to the repair or replacement, at Verdin’s discretion, of any nonconforming or defective Products upon examination of such Products by Verdin. Verdin shall have a reasonable time to repair or replace any nonconforming or defective Products, including the time for the manufacture of replacement Products or replacement parts for such Products. This warranty is conditional upon the customer’s proper usage of the equipment. This warranty is not applicable to any misuse, neglect, or natural disaster, such as lightning or fire. The warranty is void if the customer does not properly insulate against lightning or voltage surges.
For over 170 years members of the Verdin family have nurtured the business, fine-tuned it, and set the benchmark by providing our customers with the finest products and service. As Ohio’s oldest family manufacturer, we strive for total customer satisfaction and to exceed our customer’s expectations. Today, as a result of this dedication and expertise, The Verdin Company is the largest supplier of bells, chimes, and carillons in the world with over 50,000 satisfied customers.

**Setting the Standard**

We live bells. We know how to cast them, tune them, play them, repair them, and record them. We know how to design structures around bells to enhance and enrich their unique sound qualities. We know how to keep bells in perfect working order and bring them back to their original splendor.

**Technology**

As bell experts, we also offer the best quality electronic digital bell products, held to the same exacting standards as our cast bronze bells. The Verdin Company’s full time research and development team continues to push the envelope utilizing the latest cutting edge digital technology to provide you with unmatched electronic capabilities. They are the easiest to use and most reliable carillons in the industry; delivering the true and natural sound of real cast bronze bells. Also, we offer the largest digital music library, recorded by professional musicians, enabling you to fully utilize your electronic carillon for any service, event, or activity.

**Quality & Value**

Long after price is forgotten, quality is remembered. Our products are made to last, a strong advantage when considering a long-term investment. Price is important, but value is apparent over time.

**Customer Service**

We pride ourselves on providing customer service that is unequaled in the industry. We warranty all of our products and fully support them with factory-trained service technicians stationed throughout North America. A full time service, support staff at our Cincinnati headquarters is also available during normal working hours to address any questions and assist you in every possible way. With Verdin you can have as much or as little technical assistance as you need. We also offer an optional on site maintenance program to even further extend the life of your Verdin product. We’re trained to handle any situation, large or small, and can diagnose many technical issues by phone or on-line.