KURZWEIL®

Andante

CGP 220

USER'S MANUAL

English Manual

YOUNG CHANG
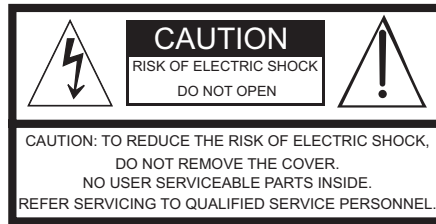
IMPORTANT SAFETY & INSTALLATION INSTRUCTIONS

INSTRUCTIONS PERTAINING TO THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

WARNING: When using electric products, basic precautions should always be followed, including the following:

1. Read all of the Safety and Installation Instructions and Explanation of Graphic Symbols before using the product.

2. Do not use this product near water - for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.

3. This product should only be used with a stand or cart that is recommended by the manufacturer.

4. This product, either alone or in combination with an amplifier and speakers or headphones, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.

5. This product should be located so that its location or position does not interfere with its proper ventilation.

6. This product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.

7. This product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.

8. This product may be equipped with a polarized line plug (one blade wider than the other). This is a safety feature. If you are unable to insert the plug into the outlet, contact an electrician to replace your obsolete outlet. Do not defeat the safety purpose of the plug.

9. The power supply cord of the product should be unplugged from the outlet when left unused for a long period of time. When unplugging the power supply cord, do not pull on the cord, but grasp it by the plug.

10. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

11. The product should be serviced by qualified service personnel when:

    A. The power supply cord or the plug has been damaged;
    B. Objects have fallen, or liquid has been spilled into the product;
    C. The product has been exposed to rain;
    D. The product does not appear to be operating normally or exhibits a marked change in performance;
    E. The product has been dropped, or the enclosure damaged.

12. Do not attempt to service the product beyond that described in the user maintenance instructions. All other servicing should be referred to qualified service personnel.

13. WARNING: Do not place objects on the product's power supply cord, or place the product in a position where anyone could trip over, walk on, or roll anything over cords of any type. Do not allow the product to rest on or be installed over cords of any type. Improper installations of this type create the possibility of a fire hazard and/or personal injury.

RADIO AND TELEVISION INTERFERENCE

WARNING: Changes or modifications to the instrument not expressly approved by Kurzweil could void your authority to operate the instrument.

IMPORTANT: When connecting this product to accessories and/or other equipment use only high quality shielded cables.

NOTE: This instrument has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This instrument generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this instrument does cause harmful interference to radio or television reception, which can be determined by turning the instrument off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the instrument and the receiver.
• Connect the instrument into an outlet on a circuit other than the one to which the receiver is connected.
• If necessary consult your dealer or an experienced radio/television technician for additional suggestions.

The normal function of this product may be disturbed by strong electro magnetic interference. If so, simply reset the product to resume normal operation by following the instruction manual. In case the function could not resume, please use the product in another location.

NOTICE: This apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

AVIS: Le present appareil numerique n'emet pas de bruits radioelectriques depassant les limites applicables aux appareils numeriques de la class B prescrites dans le Reglement sur le brouillage radioelectrique edicte par le ministere des Communications du Canada.

SAVE THESE INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Allow adequate ventilation for the power adapter. Do not hide it under a carpet or behind a curtain or place it in an enclosed space where heat buildup can occur.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment.

To completely disconnect this equipment from the AC Mains, disconnect the power supply cord plug from the AC receptacle.

Kurzweil International Contacts

Contact the appropriate Kurzweil office listed below to locate your local Kurzweil representative.

US Customers:

American Music & Sound
925 Broadbeck Drive, #220
Newbury Park, CA.
Tel 800.431.2609
Fax 866.707.0717
info@americanmusicandsound.com

Customers outside the US:

Young Chang Co., LTD.
9th Floor, Bldg 102, I-Park
Jeongja-Dong, Bundang-Gu, Seongnam-Si
Gyeonggi-Do 463-859
South Korea
Tel: +82 31 786 7900
www.ycpiano.co.kr
www.youngchang.com

WWW   www.kurzweil.com

✉   support@kurzweil.com

f   www.facebook.com/kurzweilmusicsystems/

🐦   www.twitter.com/KurzweilMusic

YouTube   www.youtube.com/user/KurzweilTutorials

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Introduction

Congratulations on your purchase of the Kurzweil Andante CGP220. You are certain to enjoy many hours exploring the variety of features as well as the beautiful preset voices.

The Andante CGP220 is designed with the same sound technology from the world acclaimed Artis and PC3 Series keyboards. It includes Kurzweil's new German Grand piano.

Primary Features

- 88-Note, Fully-Weighted, Graded Hammer-Action Keyboard
- 4 Amplifier, 4 Speaker, 200 Watt Stereo Sound System
- 128 Preset Voices
- 98 Preset Rhythm Patterns
- 8 Drum Kits
- 16-character alphanumeric LCD display
- Layering, Split, Transpose, Tuning
- Variation, Metronome, and Tempo buttons
- 6 user "Favorites" presets
- 10 levels of keyboard sensitivity
- Two track recording with 20 User song presets
- Dedicated button to select the Grand Piano voice
- Preset Effects including Reverb, Echo, Delay, and Chorus
- 51 Built In Demo Songs & Voice Demo feature
- Stereo Audio Input and Output Jacks
- 2 Headphone Jacks
- Standard MIDI In, Out and Thru
- USB "Plug & Play" Computer Port
- Matching Bench Included

Andante CGP220 Carton Content

Your new Andante CGP220 carton should have the following:
- Andante CGP220 instrument (main cabinet)
- AC power cord
- Piano Bench
- Andante CGP220 legs (3) and pedal box (with support rods and bolts)
- Warranty Card
- Andante CGP220 User's Manual (this manual)

If you are missing any of the above, please contact your Kurzweil dealer. It is always a good idea to save the Andante CGP220 cartons, in case they are needed for shipment.

Follow the procedure on the following pages to assemble the Andante CGP220.

Getting Started

Getting Started

## Assembly Instructions for Andante CGP220

In addition to the main piano cabinet, your CGP220 should come with the parts shown below. Three people will be need to complete the assembly, as the piano cabinet must first rest on the floor with support. Then the entire instrument must be lifted once the legs are securely attached.

Item	Part Name	Shape	Q'ty	Screw	Q'ty
1	LEG		3	M10.0 x 25	12
2	PEDAL BOX		1	M10.0 x 45	2
3	PEDAL SUPPORT ROD		2	FH 4.0 x 17	8

STEP 1:

A) Place piano cabinet and legs on a carpeted floor or blanket. Tilt the cabinet so that the underside is accessible.

B) Align each of the 3 legs to the foot holes, as shown, using the hexagon wrench provided to secure each leg with 4 bolts. Be sure to tighten all screws.
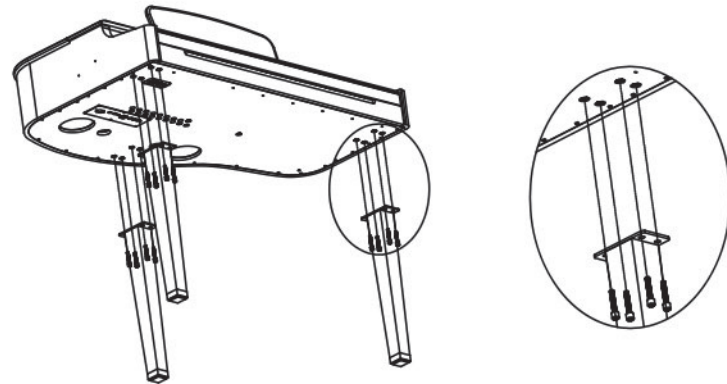
STEP 2:

Align the pedal box with the pedal box assembly holes, as shown, and secure with 2 bolts, using the hexagon wrench to firmly tighten them.
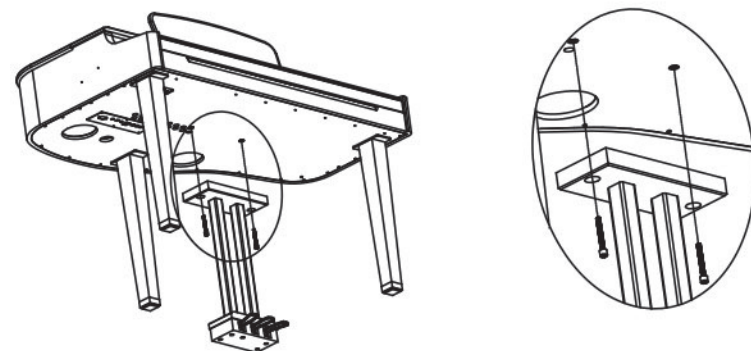
STEP 3:

Place main piano unit facing forward . First set pedal support rods into the rear of the pedal box, then line up the other end of the rod to the support rod holes on the underside of the main cabinet. Use the 8 screws provided to secure the rods.
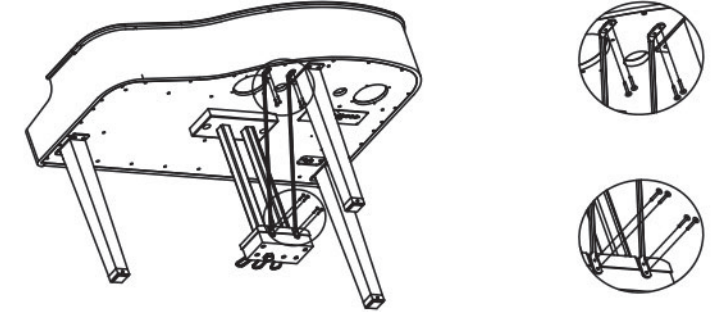
STEP 4:

Move the piano into an upright position.

Using 3 people, one near each leg, lift the piano body straight upward with legs parallel to the floor. Then tilt backward until all 3 legs are vertical. Finally, lower the body until the legs touch the floor.

To avoid possible damage, don't let the weight of the body rest on the legs until they are vertical.

> ⚠ **CAUTION**: THE PIANO CABINET WILL NOT SAFELY SIT UNSUPPORTED ON THE LEGS UNTIL ALL OF THE BOLTS ARE IN PLACE. HAVE AN ASSISTANT HOLD THE CABINET WHILE THE BOLTS ARE BEING SECURED.

RAISING THE PIANO LID:

The CGP220 has lid support rods allowing two (optional) open positions: low and high. Raise the lid, then lift the support rod, holding the lid with your hand while seating the rod in the desired hole on its underside. The long rod will fit in the inner hole (for high position, shown in Fig. 1 below) and the short rod into the outer hole (for the low position, shown in Fig. 2). Be sure you have seated the rod correctly, so that the lid will remain safely supported when open.
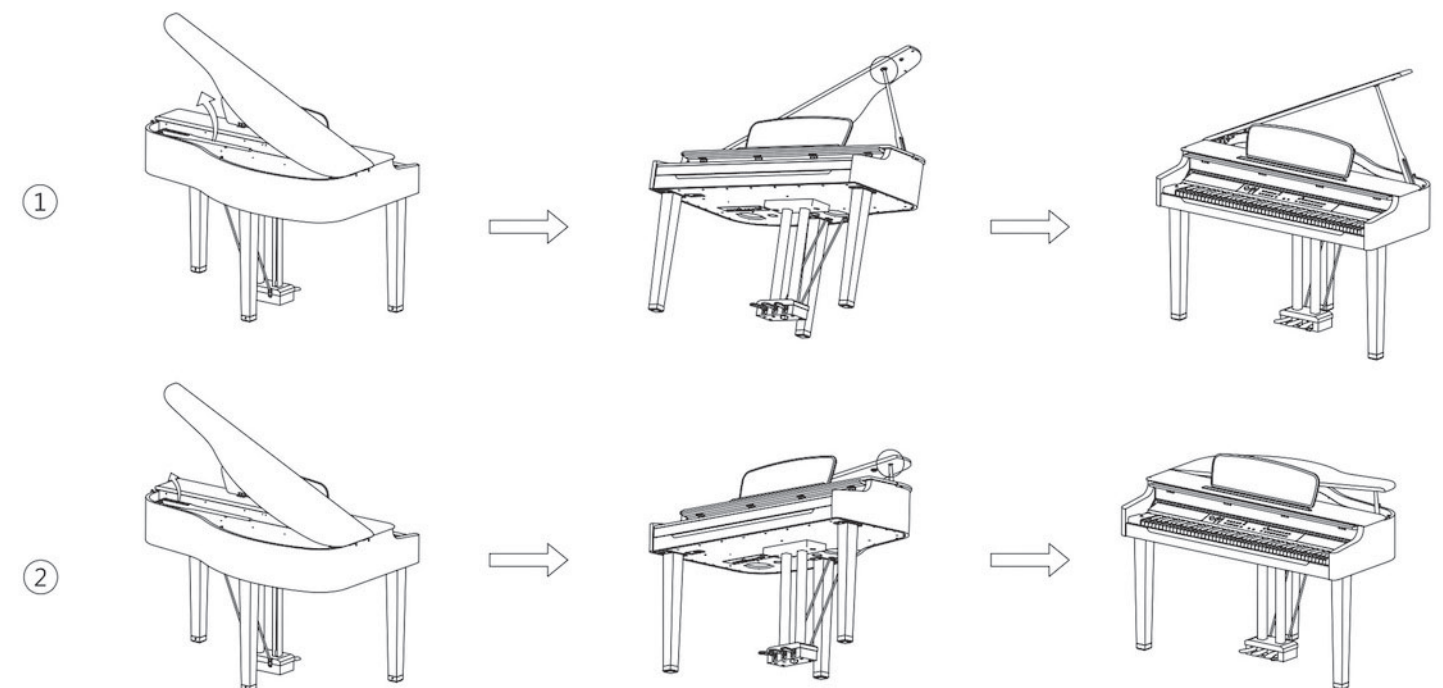
Getting Started

Power Switch

Connect the power cord to the AC receptacle on the underside of the Andante CGP220. Standard AC current supplies the Andante CGP220's power. Before connecting the Andante CGP220's AC power cord, make sure that the power switch (located on the left, underneath the keyboard) is in the **OFF** position. Then connect the power cord to an AC outlet.

Turn power on by using the switch is located underneath the left of the keyboard.
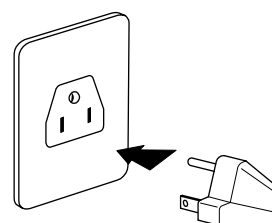
The AC plug shape will vary depending on location of use

⚠️ **CAUTION:** The CGP220 runs on AC power and works with voltages from 100 - 240 volts at 50–60 Hz. The voltage level is detected and set automatically by the CGP220. *Do not attempt to connect to a non-standard AC power source.*

While the unit is performing its power-up routine some of the front panel button LEDs will flash. After a couple of seconds, the display will read *1 Concert Piano*. The Andante CGP220 is now ready to play.

Use the Quick Start instructions on the following pages for the basic steps to change Voices, play Rhythm Patterns, and play one of the 51 Demo Songs.

Sound and Volume

Before turning on the Andante CGP220, it's always a good idea to set the volume at its minimum setting (all the way to the left). For a generally comfortable level of volume while playing, set the knob at its middle position.

The Volume Control is located on the left side of the control panel. Turn this knob from left to right to increase the volume.

Volume   Bass   Treble

Headphone Jacks

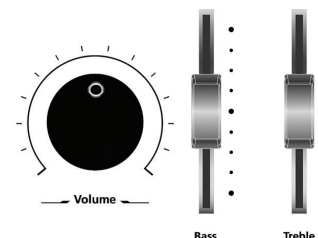The Andante CGP220 has two 1/4" headphone jacks conveniently located under the keyboard, near the left leg on the cabinet underside. Plugging in headphones provides privacy during practice. Both jacks operate the same so two people can play and hear the music together. When headphones are connected the Andante CGP220's speakers are silent.
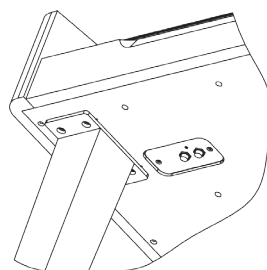
Getting Started

Quick Start

Playing the Voices

1. Turn on the power.
2. The **Voice** button LED is lit and the first voice (1 Concert Piano) is ready to play.
3. To play another voice, press any category button and play.
4. There are a number of different voices available under each category button. Press the **Prev-** or **+Next** button to step through the available voices.
5. There are two Voice Bank rows and an LED at the beginning of each row that, when lit, tells you it is the active row. To select a voice from a category listed in the second Voice Bank row, press the **Voice** button.
6. The LED at the beginning of the second row should be lit.
7. Select a category button and play.
8. Press the **Voice** button again to return to the top row.

Playing a Rhythm Pattern

1. Press the **Rhythm** button.
2. Select a Rhythm Pattern from one of the categories and pressing a category button.
3. There are a number of different rhythm patterns available under each category button. Press the **Prev-** or **+Next** button to step through the available rhythm patterns.
4. Press the **Play/Stop** button, located on the top left side, to start the rhythm.
5. Press the **Play/Stop** button again to stop it.

Playing a Demo Song

1. Press the **Demo** button.
2. The first demo song immediately plays. The Andante CGP220 continues to play each of the 51 demo songs until you press the **Play/Stop**, **Demo** or **Voice** buttons.
3. At any time you can press the **Play/Stop** button to start or stop playing a demo song.
4. Press the **Prev-** or **+Next** button to play the previous or next demo song.
5. Simultaneously press the **Prev-** and **+Next** buttons to jump ahead 10 songs at a time.
6. Press the **Voice** button to exit *Demo Mode*.
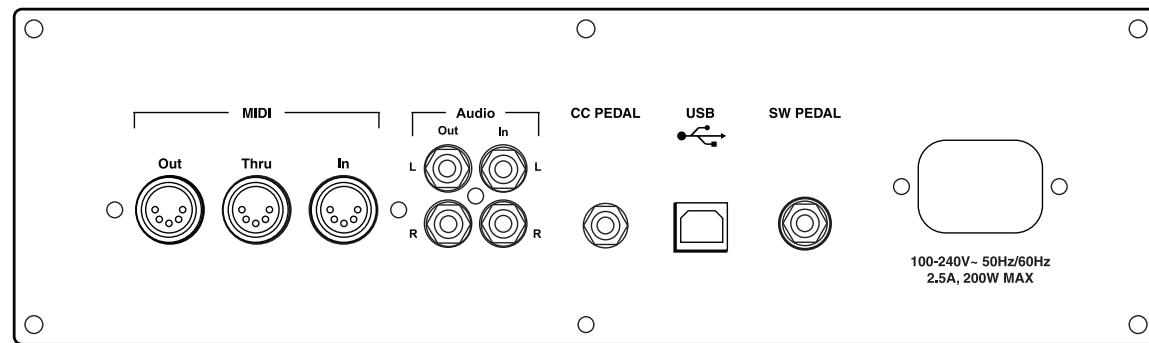
Input/Output Panel

The Input/Output panel is located on the underside of the piano body, behind the power switch and headphone jacks.

Audio In and Audio Out

Audio Out (RCA jacks) may be used to connect the Andante CGP220 to external audio equipment, such as an outboard mixer, powered speakers, or recording device.

Audio In jacks are used to connect the Andante CGP220's internal speakers to other devices such as a digital audio player or CD player. *Always turn off the Andante CGP220's power before plugging or unplugging cables into the Audio In jacks.*

The Andante CGP220's Volume and Tone Controls do not affect the volume or tone of the sound coming from the Audio In jacks. Therefore it is best to use a device that has its own output level control and to use that to adjust the sound volume from the external device.

MIDI In, Out and Thru

Use the MIDI In, Out and Thru ports to connect the Andante CGP220 to other MIDI devices to receive and send MIDI data.

CC Pedal (Volume/Expression Pedal)

This jack is used to connect a continuous controller pedal for volume and expression control. Our keyboards require a pedal with a TRS 1/4" connector and 10k linear potentiometer. Most manufacturers EXCEPT Yamaha and Korg make pedals with the same specifications and should work. Yamaha and Korg pedals typically use an exponential potentiometer and therefore will not work correctly. The CC-1 pedal is available from Kurzweil. You can order a pedal through your local Kurzweil dealer.

USB

Connect a USB cable to this port to send and receive MIDI or to connect to a computer for system updates.

Front Panel Display, Buttons and Controls

The features labelled on the Andante CGP220's front panel below are discussed in detail in the following chapters. Throughout this manual button names are shown in **Bold Type**, and display screen text in *Italic Type*.
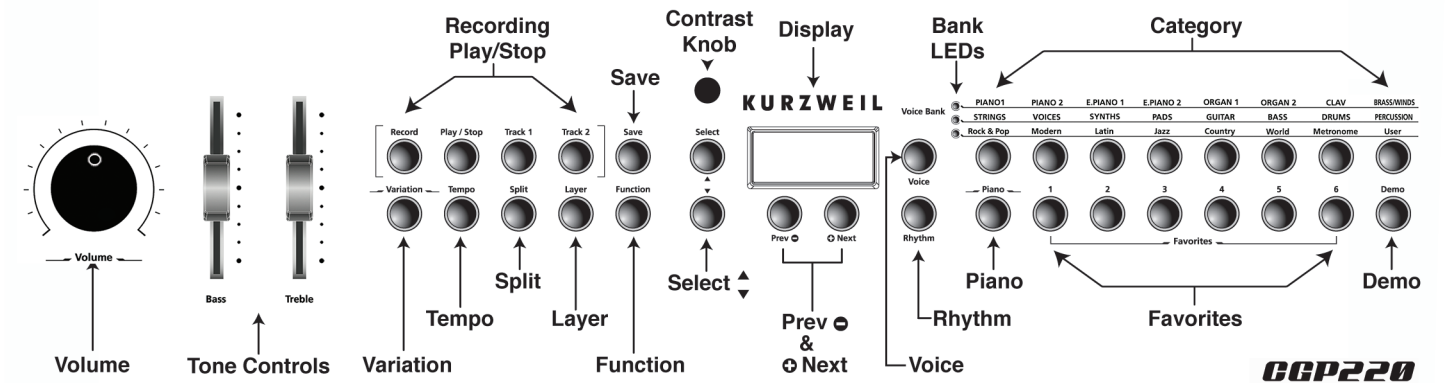
Display Screen

Display
The alphanumeric LCD screen displays 16 characters, indicating the current instrument mode or parameter settings.

LCD Contrast control
To the left of the Kurzweil logo is a potentiometer that controls the LCD display contrast. Turning this small knob allows you to adjust the display visibility for different lighting environments.

Mode Select Buttons

Voice Button
Press this button to enter *Voice Mode*.

Rhythm Button
Press this button to enter *Rhythm Mode*.

Piano Button
No matter which mode is active, you may select this button to immediately return to the Concert Piano voice (the first voice of the Piano category).
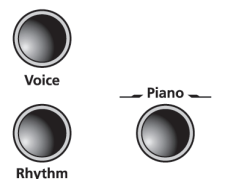
Navigation Buttons

Select ▲ and ▼ Buttons
Use these buttons to move through the list of available parameters for the current mode. These buttons are used in *Function, Split, Layer,* and *Rhythm Modes* only.
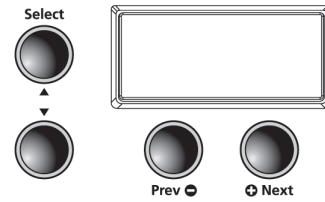
Prev- Button
Press this button to select the next lower Voice, Rhythm Pattern, user song or parameter value. When using the metronome or playing a Rhythm pattern, use this button to decrease the tempo. This button is also used to tune or transpose downward.

+Next Button
Press this button to select the next higher Voice, Rhythm Pattern, user song or parameter value. When using the metronome or playing a Rhythm Pattern, use this button to increase the tempo. This button is also used to tune or transpose upward.

Bank LEDs and Category Buttons

PIANO1	PIANO 2	E.PIANO 1	E.PIANO 2	ORGAN 1	ORGAN 2	CLAV	BRASS/WINDS
STRINGS	VOICES	SYNTHS	PADS	GUITAR	BASS	DRUMS	PERCUSSION
Rock & Pop	Modern	Latin	Jazz	Country	World	Metronome	User

Bank LEDs

These three LEDs are indicators for the three category banks (two voice and one rhythm). Press the **Voice** or **Rhythm** button to select a bank. A lit LED indicates the active bank.

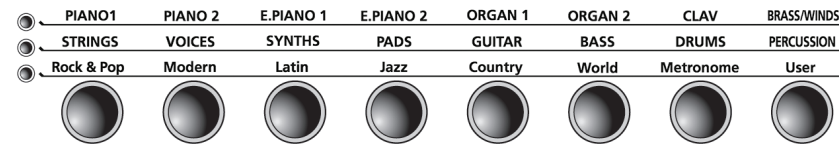**Category Buttons**
Press one of the category buttons to select a voice or rhythm pattern group; then use the **Prev-** or **+Next** button to step through options in that group.

Favorites Buttons

1   2   3   4   5   6   Demo

Favorites

Favorites 1 through 6
Select one of 6 previously stored favorite sounds by pressing the **Favorites** button assigned to it. Store the current sound (with any active splits and layers) by pressing and holding the desired **Favorites** button until the word *Saved* appears on the display.

Demo Button

Press the **Demo** button to begin playing the classical piano demonstration songs. Press **Demo** again to leave *Demo Mode*.

Recording and Play/Stop Buttons

Record Button
Press this button to begin recording.

Record   Play / Stop   Track 1   Track 2

Play/Stop Button
Select this button to play or stop recording, user songs, Rhythm Patterns, and Demos.

Track 1 and Track 2 Buttons
Use these buttons to select the track to record.

Variation and Tempo Buttons

Variation Button
For most voices, pressing the **Variation** button will enable a pad layer, string layer, or effect.

Tempo Button
Use the **Tempo** button to access the tempo of the metronome and Rhythm Patterns, then make changes with **Prev-** or **+Next** buttons.

Variation   Tempo
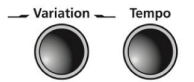
Mode and Save Buttons

Save Button
Press the **Save** button to save a user song or to save split and layered voices. The display will prompt you to choose a memory location.

Function Button
Press the **Function** button to enter *Function Mode*. Global functions affecting the instrument overall may be adjusted in this mode.

Save

Split   Layer   Function
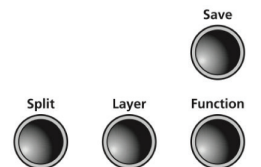
Layer Button
Press the **Layer** button to enter *Layer Mode* and create 2 layered voices.

Split Button
Press the **Split** button to enter *Split Mode* and create split voices.

Volume and Tone Controls

These adjust the Andante CGP220 speaker and headphone audio volume and tone (bass and treble). The Volume control does not affect the volume of the sound coming from external sources through the Audio In jacks.
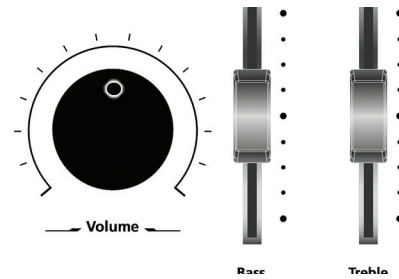
Button Operations

Button Pairs

Certain button pairs, when pressed simultaneously, have other functions.

The Andante CGP220 has two button pairs: **Select** ▲ and ▼ and **Prev- / +Next.**

Using the **Select** ▲ and ▼ pair allows you to quickly jump to a particular parameter.

Using the **Prev- / +Next** pair allows you to reset certain parameters to a default value, or to jump quickly through a list of options.
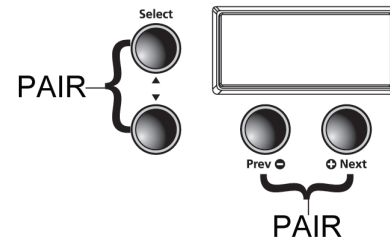
Press and Hold Buttons

When held down, some buttons perform additional functions. Below is a brief description of these buttons.

Category Buttons
In *Voice* or *Rhythm Mode*, pressing a category button selects the default or first voice for that category. You can change the default voice or rhythm. To do so, select the voice or rhythm you want to use as the default. Press and hold the category button until the display reads *SAVED*, then the ID number. Release the button when *SAVED* shows on the display.

Prev- and +Next Buttons
Press and hold either button and it will repeat until it is released.

Favorites Buttons
Press and hold one of the six **Favorites** buttons to store the current voice, layer or split.

Operating Modes

Most of the Andante CGP220's features are organized in groups called modes. The Andante CGP220 has six operating modes that allow players to configure and combine these features, and to save settings for quick access to desired sounds.

The following chapters describe each of the operating modes.
- Chapter 4 *DEMO MODE* explains how to play the pre-recorded songs in the Andante CGP220.
- Chapter 5 *VOICE MODE* explains how to access the variety of different voices available.
- Chapter 6 *LAYER MODE* describes techniques for combining voices and rhythms.
- Chapter 7 *SPLIT MODE* explains how to get different sounds from separate sections of the keyboard.
- Chapter 8 *FUNCTION MODE* describes a variety of special functions in the Andante CGP220.
- Chapter 9 *RHYTHM MODE* explains how to access the stored rhythms and play along with them.
- Chapter 10 *RECORDING* explains how to record musical sequences, both alone and in combination with stored rhythms.
- Chapter 11 *MIDI* introduces the Musical Instrument Digital Interface functions in the Andante CGP220.

Demo Mode

The Andante CGP220 has 51 pre-recorded songs performed in a variety of styles. You can also preview specific voices in **Demo Mode** Voice demo option.

Selecting Demo Songs

The **Demo** button is located on the far right side of the front panel, the last button on the second row.

When you press the **Demo** button to enter *Demo Mode* the first song, a Brahms Rhapsody, will begin to play. Its song number and name appears will display on the LCD screen. When the first song ends, the next demo song begins to play. This continues through all 51 demo songs.

Press the **Play/Stop** button to start or stop playing a demo song.

To skip through the demo song list and select a different song to play, press the **Prev-** button to select previous demo song or the **+Next** button to select the next demo song. You may press the **Play/Stop** button to stop the current demo song, then press the **Play/Stop** again to start the next demo song selected.

To skip forward 10 songs at a time, press the **Prev- / +Next** button pair simulaneously.

In *Demo Mode*, keyboard keys A0 through B4 are assigned to each demo song. To select a demo song using the keyboard, first press the **Record** button then press and release its corresponding key.

See the Appendix for a complete list of the demo songs and their corresponding keyboard keys.

To exit *Demo Mode,* press either the **Demo, Voice** or **Piano** buttons.

Voice Demo

The Voice Demo is a small song that shows how a particular voice sounds. This allows you to preview any sound without playing it. To activate the voice demo, follow these steps:

1. Press **Voice** to enter *Voice Mode* and choose your category for sounds.
2. Advance using **+Next** and **Prev-** buttons to select a voice to preview or demo.
3. Press and hold the **Demo** button. The chosen voice will play the demo song. The Voice demo will stop once it reaches the end of the song.
4. To stop the demo at any time, press the **Play/Stop** button. You can also select the **Piano** button or any other category button to stop the demo.
5. To switch to another voice demo, simply repeat these steps.
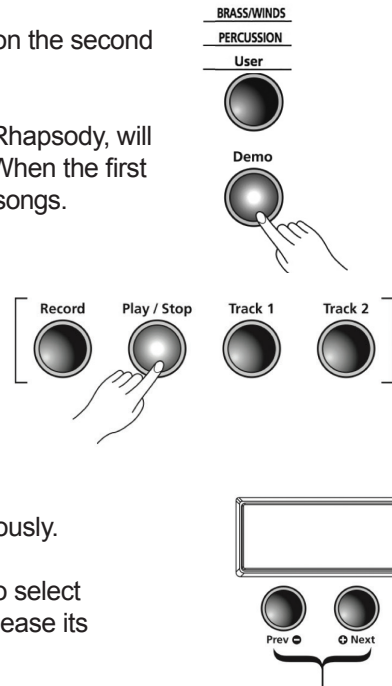
Voice Mode

When you turn on the Andante CGP220, *Voice Mode* is active and the Concert Piano voice is already selected and ready to play. Concert Piano is the default voice and the first voice in the Piano 1 category.

In *Voice Mode*, voices are selected first by choosing one of two Voice Banks, then a category.
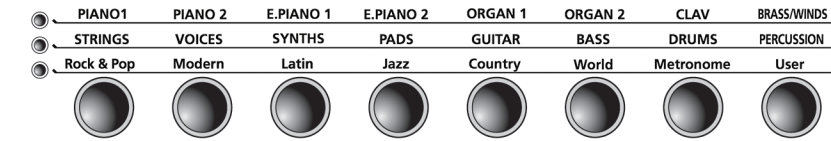
There are two rows of Voice Bank categories and one row of **Category** buttons. Categories generally group instruments by type.

To the left of each Voice Bank category row is an LED. A lit LED indicates the active Voice Bank. To select the second Voice Bank row, press the **Voice** button again. Its LED lights and the second row of categories is active.
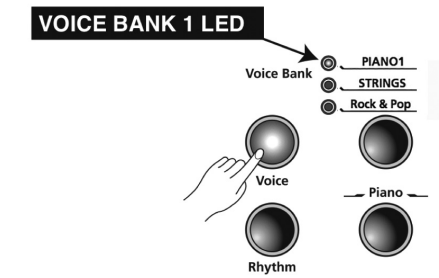
Selecting Voices

If the Andante CGP220 is not already in *Voice Mode*, press the **Voice** button, to return to your sounds.

Press the button for the category you want. Its LED lights and the default voice for that category is selected.

To select another voice from the category, press the **Prev-** or **+Next** button to navigate through the available voices. If you are pressing the **+Next** button and reach the last voice of the category, the Andante CGP220 automatically advances to the first voice of the next category. If you are pressing the **Prev-** button and reach the first voice of the category, the Andante CGP220 automatically moves to the last voice of the previous category.

Press the **Prev- / +Next** button pair to select the default or first voice of the current category. If the first voice of a category is already selected, pressing the **Prev- / +Next** button pair selects the first voice of the next category. This cycles through and wraps back to the first category.

A complete list of the Voices by category is included in the Appendix.
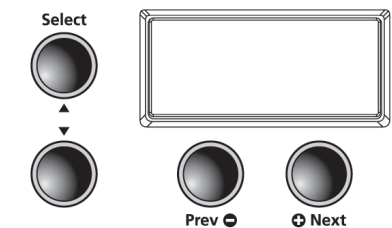
Voice Mode

Changing Category Default Voices

Pressing a **Category** button selects the default or "first" voice for that category. You can change the default voice for that category. Follow these simple steps:

In *Voice Mode*, select the category and press the **Prev- and Next+** buttons to find your desired sound to save as your default. Press and hold its **Category** button until the display reads *SAVED.* Release the button when *SAVED* shows on the display. Your new sound is now saved as the first or default voice for that category.

Using Variations

For most voices, pressing the **Variation** button will enable a pad layer, string layer, or effect.
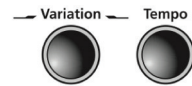
Storing a Favorite Voice

You can quickly save any voice or layered sounds as a favorite. Just select a voice, or layer, then press and hold one of the six **Favorites** buttons. The voice is now stored in that location.

Layer Mode

In addition to the many presets already available in the Andante CGP220, you can create layered voices and add even more depth and breadth to its rich sounds. Layering combines two of the Andante CGP220 voices enabling you to play both voices together.
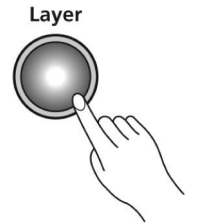
There are three parameters available in *Layer Mode:* Voice, Volume, and Transposition. Changing the value of a parameter determines the characteristics of the layer.

Depending on the selected parameter some buttons operate differently. The following is a description of the *Layer Mode* navigation buttons.

Layer Mode Navigation Buttons

Select ▲ and ▼ Buttons

In *Layer Mode*, Use these buttons to step through the available parameters.
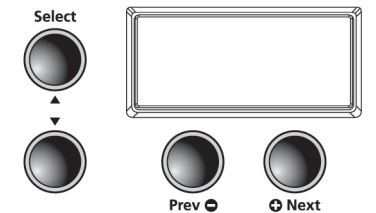
Prev- or +Next Buttons

To change the value of parameter, press the **Prev-** or **+Next** button.
For the *Layer Voice* parameter, use these buttons to step through the category voices. In *Layer Volume* or *Layer Transposition*, use these buttons to increase or decrease a value.

Pressing the **Prev-** or **+Next** button pair together will reset the current parameter back to factory default value.

Category Buttons

In *Layer Voice*, use this button to select another voice category; it behaves in the same manner as in *Voice Mode*. If the Layer Volume or Layer Transposition parameter is active, pressing a category button returns the Andante CGP220 to the *Layer Voice* parameter.

Layer Mode Parameters

Layered Voice

Select the voice you want as your primary voice, by choosing a sound type in the **Category** section. Advance with the **Prev-** or **+Next** buttons to find your voice.

Next, press the **Layer** button to enter *Layer Mode*. When the **Layer** button is pressed, the current voice becomes the primary layer voice. The **Layer** button LED lights and secondary voice of the layer appears on the screen. (The default is 65, Adagio Strings, or the last secondary voice selected since the instrument was switched on). The primary voice is now layered with the secondary voice.
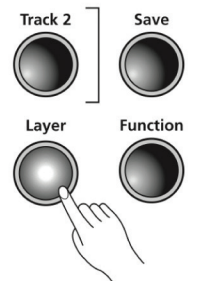
LAYER Mode

To change to a different secondary sound, the **Voice** button's LED must be lit. Choose the category you want on Row 1 or Row 2 by pressing the **Voice** button to switch rows. Select the category of sound you desire. Advance with the **Prev-** or **+Next** buttons to find your desired sound.

The new sound chosen is now your secondary sound. Remaining in *Layer Mode*, only the secondary sound can be changed. You must start over to change your primary sound and create your desired combination.

To exit *Layer Mode*, press the **Layer** button again.

Volume Balance

This parameter sets the balance volume between the 2 layered sounds.

Press the **Layer** button to enter *Layer Mode*. Press the **Select▲** button to set the volume between the layered voices. The display reads *VOL:0* (the default setting) or the last setting selected since the instrument was switched on.

Use the **Prev-** button to decrease the volume of the secondary voice. The range is from *0* to *-9*. Press the **+Next** button to increase the volume of the secondary voice. The range is from *0* to *+9*. This will allow you to customize the balance between your two voices.

Layer Octave Transposition

This parameter sets the transposition of the secondary voice relative to the primary voice.

In *Layer Mode*, press the **Select▲** button until the screen displays: *XPOSE:0*.

To transpose the secondary voice up an octave, press the **+Next** button once. The screen will display *12*. Press the **+Next** button twice to move up 2 octaves. The screen will display *24*. To lower an octave, simply reverse the steps by pressing **Prev-** button to change or lower the octaves for the secondary voice. The default setting is 0, or the last setting selected since the instrument was switched on.
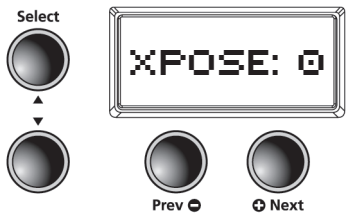
Saving Layered Voices

Using Favorite Buttons

Once you have created your layered sound, select a **Favorite** button 1-6 to store the layered voice. Press and hold any **Favorite** button. The layered voice is now stored in that location.

To Exit *Layer Mode*, press the **Layer** button again.

LAYER Mode

If you have already saved a layered voice as a Favorite and want to make a change, select the Favorite first, then press the **Layer** button to enter *Layer Mode*.

Using the Save Button

Once you have created your layered sound, press the **Save** button located to the left of the screen. The first empty location in the **Favorites** will be displayed. The display reads: *Save Voice As.. F(# of empty location)*. Press the **+Next** button to choose a different location. Press the **Save** button again to save the layered voice.

If all Favorite locations have been used, pressing the **Prev-** or **+Next** buttons will step through all six locations, allowing you to choose one to overwrite.
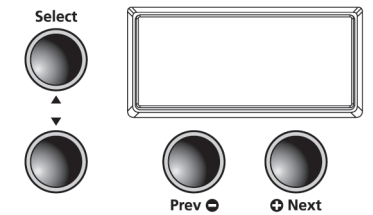
Split Mode

Creating a Split allows you to divide the Andante CGP220 keyboard into an upper and lower region. For example, you can create a split and play a Piano Voice with the right hand and a Bass Voice with the left hand.
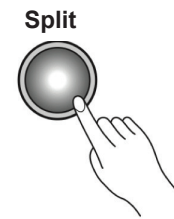
Split

Split Mode Navigation Buttons

Depending on the selected parameter and the current mode, some buttons operate differently.
The following is a description of the *Split Mode* navigation buttons.

Select ▲ and **▼ Buttons**
Use these buttons to step through the parameters.

Prev- and **+Next Buttons**
For the Split Voice parameter, use these buttons to step through the category voices. In Split Key, Split Volume or Split Transposition, use these buttons to increase or decrease a value.

Category Button
In Split Voice, use this button to select another category; it acts the same as it would in *Voice Mode.* If the Split Key, Split Volume or Split Transition parameter is active, pressing a category button returns the Andante CGP220 to the Split Voice parameter.

Selecting Split Mode Voices

Select the voice you want to use as your primary voice. Press the **Split** button to enter *Split Mode.* The **Split** button is located on the left side of the front panel.

When the **Split** button is pressed, the current voice becomes the primary (right hand) split voice.

The default secondary voice ID is 105, P Bass, and the default split key is F#3, or the last settings selected since the instrument was switched on.

To exit *Split Mode*, press the **Split** button again.

Track 1   Track 2   Save
Split   Layer   Function
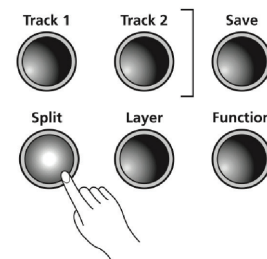
Split Mode Parameters

There are four parameters available in *Split Mode*:

● Secondary or "Left Hand" Voice
● Split Key Position
● Split Volume Balance
● Secondary or "Left Hand" Octave Change

In *Split Mode*, use the **Select▲** and **▼** buttons to step through the parameters. Press the **Prev-** or **+Next** buttons to make your changes to that parameter.

Split Mode

Split Voice Change for Secondary or Left Hand

Press the **Split** button, and the secondary voice parameter is selected. The default secondary voice is 105, P Bass, or the last secondary voice selected since the instrument was switched on. To choose a different voice as the secondary voice, press the category voice you desire, then press the **Prev-** or **+Next** buttons to advance to your selected sound. The new sound will now become your default "left hand" or secondary voice.

Pressing the **Prev- / +Next** button pair will reset to the factory default voice setting.

Changing Split Key

In *Split Mode,* press the **Select ▲** button until you see the display *KEY:F#3* (the default split key setting is *F#3*, or the last setting selected since the instrument was switched on). The split key is the highest key of the secondary voice. Press the **Prev-** or **+Next** buttons to change the position of the split key. Pressing the **+Next** button will take you to the next highest key. Pressing the **Prev-** button will take you down a step. You can select any split point across all 88 keys from A0 to C8.

Select

KEY: F#3
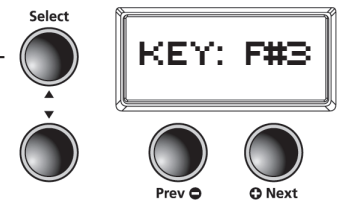
Prev   Next

Pressing the **Prev- / +Next** button pair will reset the F#3 factory default split.

Balance Split Volume

This parameter sets the volume between the two split sounds.

In *Split Mode*, press the **Select▲** button until you arrive at the screen display *VOL:0*. This is the Split Balance Volume. Press the **Prev-** button from *-1* to *-9* to decrease the volume of the secondary voice (left hand). Press the **+Next** button from *+1* to *+9* to decrease the volume for the primary voice (right hand). The value range of this parameter is *-9* to *+9.* The default Split Volume is *0*, or the last setting selected since the instrument was switched on.

Select

VOL: 0
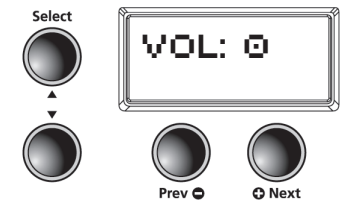
Prev   Next

Pressing the **Prev- / +Next** button pair will reset back to the factory default split volume.

Split Octave Transposition

This parameter sets the transposition of the secondary voice relative to the primary voice.

In Split Mode, press the Select ▲ button, until the screen displays *XPOSE:12 ST*. (The default setting is *12 ST*, or the last setting selected since the instrument was switched on.) Press the **Prev-** or **Next+** button to change octaves for the left hand or the secondary voice.

Select

XPOSE: 12
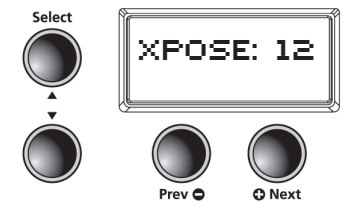
Prev   Next

Pressing the **Prev- / +Next** button pair will reset the octave back to *12*, the factory default setting

Split Mode

Saving and Changing Split Voices

Using Favorite Buttons

Once you have created your split sound, select a **Favorite** button 1-6 to store the split voice. Press and hold any **Favorite** button. The split voice is now stored in that location.

To Exit *Split Mode*, press the **Split** button again.
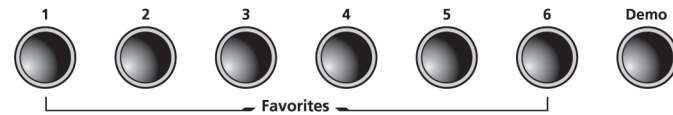
If you have already saved a split voice as a Favorite and want to make a change, select the Favorite first, then press the **Split** button to enter *Split Mode*.

Using the Save Button

Once you have created your split sound, press the **Save** button located to the left of the screen. The first empty location in the **Favorites** will be displayed. The display reads: *Save Voice As.. F(# of empty location)*. Press the **+Next** button to choose a different location. Press the **Save** button again to save the split voice.

If all Favorite locations have been used, pressing the **Prev-** or **+Next** buttons will step through all six locations, allowing you to choose one to overwrite.
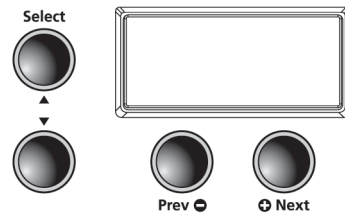
Rhythm Mode

The Andante CGP220 includes 98 rhythm patterns with a wide variety of musical styles. The labels directly above the **Category** buttons list the different rhythm categories. A complete list of the available rhythm patterns is provided in the Appendix.

Entering Rhythm Mode

Press the **Rhythm** button to enter *Rhythm Mode.* The **Rhythm** button's LED lights up as well as the Rhythm Bank LED. The display shows the ID number of the current rhythm pattern.
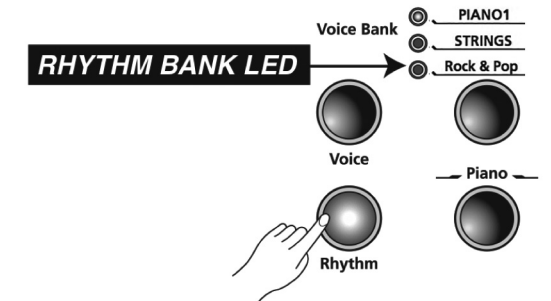
Selecting and Playing a Rhythm Pattern

There are eight category buttons in the Rhythm Bank. The first seven buttons are for the rhythm patterns and are grouped by style. The eighth button, labeled **User,** is for user recorded songs.

After you select a category, press the **Prev-** and **+Next** buttons to step through the rhythm patterns. When you reach the end of a category the Andante CGP220 automatically advances to the next or previous category. It will also advance to the **User** category. If there are no user recorded songs, it will bypass the **User** category and go to the next or previous category.

Once you've chosen your desired rhythm, press the **Play/Stop** button (on the left side) to play your rhythm. Press the **Play/Stop** button again to stop your rhythm. Once you select a rhythm pattern, it is remembered as the current pattern in *Voice Mode*. If you save a voice as a **Favorite**, the current rhythm pattern is also saved.
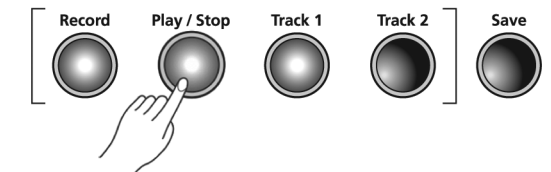
Rhythm Mode

Using a Practice Metronome Pattern

1. Select the Metronome category in the Rhythm Bank.

2. Use the **+Next** and/or **Prev-** buttons to select one of the 5 available on-board metronome patterns (ID #301-305). For example: #305 is a simple 1/4 note metronome. See the list of **Rhythm Patterns** in the Appendix of this manual for details.

3. Press **Play/Stop** to start the metronome.

4. Press **Play/Stop** again to stop the metronome.

5. To set the tempo, see the **Changing the Rhythm Tempo** section below.

6. To set the volume, see the **Volume** section below.

7. You can press and hold one of the six **Favorites** buttons to store the current Rhythm/Metronome pattern and voice selection to that selected location. The selection can be recalled at any time by pressing the same **Favorite** button again.

Changing the Default Rhythm Pattern

Pressing a category button selects the default rhythm pattern for that category. You can change the default rhythm pattern. To do so, select the pattern you want for the default rhythm. Press and hold the **Category** button until the display reads *SAVED* and shows the ID number. Release the button when *SAVED* appears on the display.

NOTE: The default rhythm pattern is ID number 1, Ballad1.

Changing the Rhythm Tempo

You can change the tempo of the Andante CGP220's rhythm patterns. The default tempo is 120 BPM (beats per minute), but it can range from 20 to 300 BPM.

To change the tempo, press the **Tempo** button. Its LED lights and the display shows the current tempo. Press the **Prev-** button to decrease the tempo or press the **+Next** button to increase the tempo.

If no action is performed after pressing the **Tempo** button, the button will "time out' and the Andante CGP220 will exit the Tempo parameter and return to its previous state. You can also exit the Tempo parameter by pressing the **Tempo** button again.

To return to the default setting of 120 BPM, press the **Prev- /+Next** button pair.

Tempo changes affect all rhythm patterns, even Favorites. To save your desired Tempo setting, press and hold any one of the **Favorites** buttons.
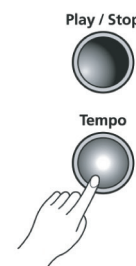
Rhythm Mode

Rhythm Mode Parameters

The available parameters in *Rhythm Mode* are: *Rhythm ID* and *Volume*. Press the **Select▲ and ▼** button to select a *Rhythm Mode* parameter.

Rhythm ID

The default parameter is Rhythm ID. Pressing the **Select▲** and **▼**button pair defaults to this parameter.

The **Prev- / +Next** button pair advances to the first rhythm of the current category. If you continue to press the **Prev- / +Next** pair you can advance to the first rhythm in each category. This cycles through and wraps back to the first category. If there are no user recorded songs, the display shows the song *ID*, *U1*, and *EMPTY*.

Volume

Use the *Rhythm Mode* volume parameter to change the volume of the rhythm pattern for playback or recording. The volume range is from 1 (minimum) to 9 (maximum). The default volume setting is 9 (maximum). Press the **Select▲** or **▼** button. The display reads *VOL:X* (X represents the current volume setting). Press the **Prev-** or **+Next** button to increase or lower the volume.

Changing the volume affects all rhythm patterns, even Favorites. To reset the volume to the default setting, press the **Prev- / +Next** button pair.
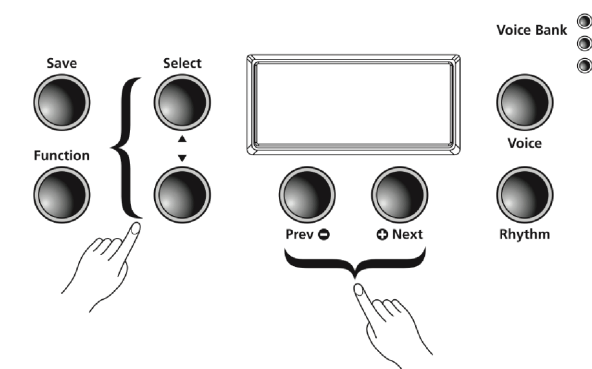
RECORDING

The Andante CGP220's two-track recorder allows you to record two voice tracks and a rhythm pattern accompaniment. Favorites can be used to give you even more versatility while recording. For example, you can have a Favorite split voice such as Piano and Bass recorded in Track 1 and a layered favorite in Track 2.

Enabling Rhythms while Recording

If you want to have a rhythm pattern play while recording, select the **Function** button to enter *Function Mode*.Press the **Select▲** and **▼** buttons to step through the list of parameters. The default setting for the *REC RHYTHM* parameter is *OFF*. Press the **Prev-** or **+Next** button to change the value to *ON*.

You can leave this parameter set to *ON* and still record without a rhythm playing. Select Rhythm ID number 351, which is the "no rhythm" pattern, and no rhythm will play.

Using a Metronome while Recording

The default setting for the metronome is also *OFF*. Follow the instructions described above to enter *Function Mode.* Select the *METRO:Off* parameter and change its setting to *METRO:Rec*. This will allow the metronome to play during recording.

Recording Track 1

1. Select the voice you want to use for Track 1. If you've saved a split or layered sound to Favorites, you
   can choose one of those.
2. If you want a rhythm accompaniment, press the **Rhythm** button and select a pattern for your record-
   ing. Be sure you've enabled Rhythms for recording.
3. Press **Track 1**.
4. Press **Record**.

If you are using the metronome, it will count off one measure before recording begins.

5. Press **Play/Stop** to begin the recording.

Perform the song now.

6. Press **Play/Stop** to end the recording.The **Save** button's LED starts flashing and the display shows *SAVE RHYTHM AS:(U1 – U20)*. These represent the number of the first available empty user song locations. There are 20 available song locations.
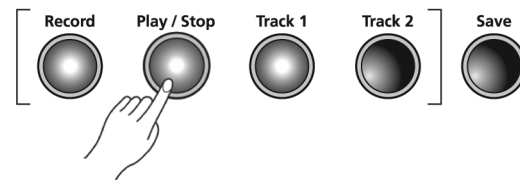
7. Press the **+Next** button to advance to a different User Song number.
8. Press the **Save** button. Your song is now saved in one of the user songs.
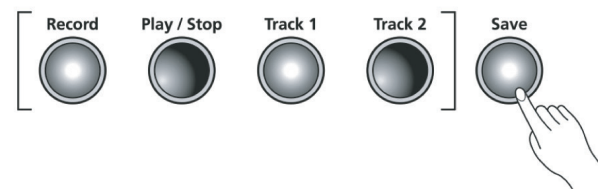
RECORDING

Recording Track 2

You can add a second track to an existing user song. Start by selecting the voice you want to use for Track 2. If you've saved a split or layered sound to Favorites, you can choose one of those.

To select the desired **User** Song, follow these steps:
1. Press the **Rhythm** button.
2. Press **User** button — on the upper side on the far right end of the button row.
3. Press **Prev-** or **Next+** to navigate to the correct song (U1 through U20).

To add your track, proceed as follows:
1. Press **Track 2**.
2. Press **Record**. The display shows the *RECORD READY* message.
3. Press **Play/Stop** to begin the recording.

Perform the second part of your song now. Track 1 will be playing while you are recording Track 2.

4. Press **Play/Stop** to end the recording.

The **Save** button's LED starts flashing and the display shows *SAVE RHYTHM AS:(U1 – U20)*. There are 20 available song locations. You can now save your song to the same User Song location, or choose a new location.

5. Press the **+Next** button to advance to a different User Song location (U1 - U20).
6. Press **Save** to store the song to the User Song location.

Selecting a Song

1. Press the **Rhythm** button.
2. Press **User** category button located to the far right of the Rhythm bank.
3. Use the **+Next** and/or **Prev-** buttons to select one of U1 - U20.

You can now listen to the song you've selected.

4. Press **Play/Stop** to listen to your song.
5. Press **Play/Stop** again to stop the playback.

RECORDING

Recording over a Track

You can replace the recording on a track with a fresh performance.

    1. Select the **User** Song (see "Selecting a Song" above).

    2. Press the button corresponding to the track you wish to record over - for example, **Track 1**.

    3. Press **Record**.

    4. Press **Play/Stop** to begin. Play the new performance for the selected track (the previously recorded

       performance will be erased until **Play/Stop** is pressed again).

    5. Press **Play/Stop** when the song end is reached.

    6. Press **Save** to store the song.

Erasing A Track

You can erase an entire track by recording "nothing" over the old track.

    1. Select the **User** Song (see "Selecting a Song" above).

    2. Press the track button corresponding to the track you wish to record over - for example, **Track 1**.

    3. Press **Record**.

    4. Press **Play/Stop** to begin. Let the song run through its entire duration. Do not play on the piano keys.

    5. Press **Play/Stop** when the song end is reached.

    6. Press **Save** to store the song.

Punch-Ins

"Punching in" is a way to edit or correct mistakes on a recording without re-recording the entire track.

    1. Select the **User** Song (see "Selecting a Song" above).

    2. Press the button corresponding to the track you wish to record over - for example, **Track 1**.

    3. Press **Play/Stop** to begin playing the song.

    4. When the song reaches the part you need to correct, press **Record**. Play the corrected notes.

    5. Press **Play/Stop** to finish the punch-in. If you don't press the **Play/Stop** button after you punch-In,

       you will erase the remaining portion of the track.

    6. Press **Save** to store the song.

RECORDING

Erasing A Song

You can erase a user song completely (including the Rhythm) by record a new "blank" song and saving this blank song over the old user song.

    1. Press the **Rhythm** button.

    2. Using the **+Next** and/or **Prev-** buttons, select #351 "No Rhythm". Rhythm #351 is a 'blank.' (Mov-

       ing backwards through the list pressing **Prev -** several times will often get you there quickest.)

    3. With Rhythm #351 selected, press **Record**.

    4. Press **Play/Stop** to begin recording.

   5. Press **Play/Stop** to end the recording. You can do this anytime after the start.

The **Save** button's LED starts flashing and the display shows *SAVE RHYTHM AS:(U1 – U20).* There are 20 available song locations.

    6. Using the **+Next** and/or **Prev-** buttons, select the **User** Song to erase, for example "U1."

    7. Press **Save** and the selected User Song (U1 in our example) will be erased completely.

Function Mode

The *Function Mode* includes parameters that allow you to change the behavior of the entire instrument globally. The following are available parameters in *Function Mode*:

- Transpose
- Effect Level
- Touch Sensitivity
- Tune
- MIDI Channel
- Metronome
- Rec Rhythm
- Local Control
- Auto Power Off
- Auto Power Off Time
- Hard Reset
- OS/Object
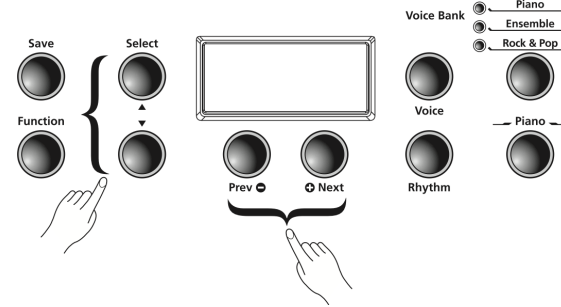
Selecting and Saving Function Parameters

Press the **Function** button to enter *Function Mode*. Pressing the **Select▲** or ▼ button allows you to choose one of the parameters listed above. Once you choose a parameter, you will use the **Prev-** or **+Next** buttons to navigate the values of that parameter. Pressing the **Function** button a second time will exit this mode.

Transpose

The Transpose parameter allows you to adjust the overall pitch of the keyboard up or down in semitone intervals.

Press the the **Select▲ or ▼** button until the screen displays *Transpose:0,* which is the factory default. To transpose the pitch up, press the **+Next** button for each semitone up in pitch. To lower or transpose down, Press the **Prev-** button to lower the semitone pitch. Pressing the **Prev- +Next** button pair will reset the Transposition back to factory default of 0. The transposition has a range of -24 to +24. This offers a two octave transposition range up or down.
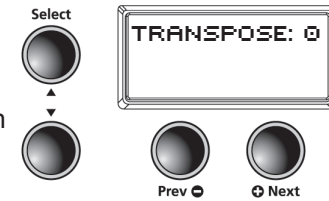
Effect Level

The Effect parameter controls the level of the reverb effects used on a voice. Press the **Select▲ or ▼** button until the screen reads *EFFECT LEVEL:20* (factory default). To increase the reverb effect, press the **+Next** button for your desired effect. To lower or reduce the reverb effect press the **Prev-** button. You can adjust the effect level from 0% (no effect) to 100%. Pressing the **Prev-** / **+Next** button pair will reset the effect level back to factory default of 20%.
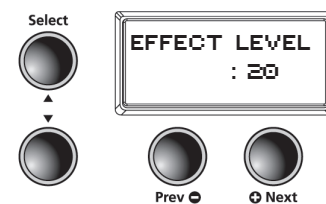

Function Mode

Touch

Use this parameter to adjust the keyboard touch sensitivity to your playing technique.

Press the **Select▲** or ▼ button until the screen displays *Touch:Linear* (factory default). To change the setting, press the **+Next** button to advance to the next desired Touch. Press the **Prev-** button down to reverse the steps. The following are the available settings:

Linear   Best Dynamic Range for instruments (Factory Default Setting).

Light (1-3)   For players with a light touch. Adjust this parameter to achieve a good dynamic range. These settings are from Light 1, a slightly light touch, to Light 3, a very light touch.

Hard (1-3)   For players with a heavier touch. Adjust this parameter to achieve a good dynamic range. These settings range from Hard 1, a slightly harder touch, to Hard 3, a very hard touch.

Piano Touch   Best for piano dynamics.
Easy Touch   Light touch, especially for younger players.
GM Receive   Select this when playing General MIDI songs.

The Touch setting is remembered across power cycles. Pressing the **Prev-** / **+Next** button pair will reset the Touch level back to factory default of *Linear*.
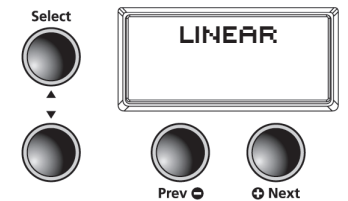
Tune

This parameter allows you to adjust the Andante CGP220 tuning to match other instruments or recordings.

Press the **Select▲ or ▼** button until the display reads *TUNE:0* (factory default is A - 440). To increase the tuning, Press the **+Next** button from 0 to 100 cents. To lower or reduce the tuning, press the **Prev-** button from 0 to -100 cents. Pressing **Prev-** / **+Next** button pair will reset the tuning back to factory default of 0 or A-440.
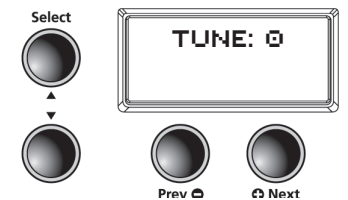
MIDI Channel

This parameter controls the MIDI transmit channel used for *Voice Mode*. Press the **Select ▲** or ▼ button until the display reads *CHANNEL: 1* (Factory Default). You can select Channels 1 through 9, or Channels 11 through 15. Channel 10 is reserved for rhythm playback and Channel 16 for the metronome.

Pressing the **Prev-** / **+Next** button pair will reset the MIDI Channel back to the factory default of 1.

For more information on MIDI, see Chapter 11.
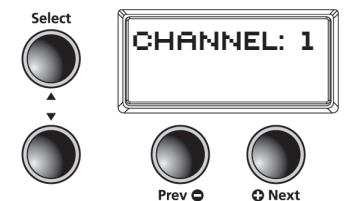
Function Mode

Metronome

This parameter has three settings: *On*, *Rec* or *Off*. The default setting is *Off*, or no metronome. If you choose *On* the metronome sounds while playing or recording. To hear the metronome only while recording, choose *Rec*.

In *Function Mode*, press the **Select▲** or ▼ button until the display reads METRO: OFF (factory default). To change to *On* press the **+Next** button once. The metronome sounds while playing or recording. To change to *Rec* press the **+Next** button again. This allows you to hear the metronom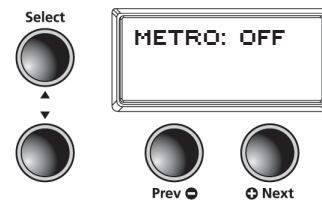e only while recording. Pressing the **Prev- +Next** button pair will reset the Metronome back to *Off* (factory default).

Select
▲
▼
Prev ⊖   ⊕ Next

METRO: OFF

The Metronome setting is remembered across power cycles.

Rec Rhythm

This parameter controls whether a rhythm pattern plays during recording. The default for this parameter is *Off*. If you record a song and want the rhythm pattern recorded as well, be sure to change this parameter to *On*.

Press the **Select▲** or ▼ button until the display reads *REC RHYTHM: OFF* (factory default). To change to *On* press the **+Next** button once. Press **Prev-** to turn Rec Rhythm to *Off*.

Select
▲
▼
Prev ⊖   ⊕ Next
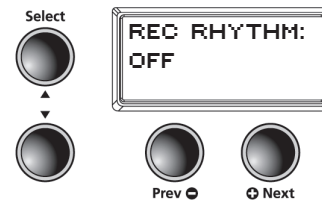
REC RHYTHM: OFF

The Rec Rhythm setting is remembered across power cycles.

Local Control

When you play the Andante CGP220 keyboard you hear the resident or "local" voices, because this parameter is normally set to *On*. When using your Andante CGP220 with an external sequencer or computer, turn this setting to *Off* to avoid creating a MIDI loop which may result in stuck notes or "echoes."

Auto Power Off

This energy-saving feature will automatically shut off power to the unit after a period of inactivity. Simply turning the power switch off and on will power up the unit once again. This allows you to reduce overall power consumption, and also extends the lifetime of the instrument. Press the **Select▲** or ▼ button until the display reads *AutoPowerOff*. Setting options are *Enabled* or *Disabled*.

Auto Power Off Time

With Auto Power Off *Enabled*, you may set the lenth of inactivity time until power is shut down. Use the **Prev- +Next** buttons to select your setting. Options are *15 min*, *30 min*, *1 hour*, *2 hours* or *4 hours*.

Once the AutoPowerOff inactivity period has begun, any human interaction (playing the keyboard, etc.) will reset the timer.

Audio Input

The parameter enables or disables the audio input jack. In some situations, the user playing the Andante CGP220 may notice a high frequency noise when not using the Audio Input (that is, with no signal applied to the input jacks). Setting Audio Input to *Disabled* will overcome this. The default setting for this parameter is *Enabled*. The chosen setting will be remembered across power cycles.

Function Mode

Hard Reset (Restoring Factory Defaults)

This function resets the Andante CGP220 to the original factory default settings. All user changes, saved Favorites, and user recorded songs are erased. This action cannot be undone.

1. In *Function Mode* press the **Select ▲ or ▼** buttons until the display reads *HARD RESET?.*
2. To perform the Hard Reset function press the **+Next** button once.
3. The display now reads *CONFIRM?.*
4. Press the **+Next** button again confirm and to reset the Andante CGP220. The unit will then erase its user memory, restore all factory settings and reboot.

If you want to cancel the Hard Reset and remain in *Function Mode*, press the **Prev-** button to confirm. Press any other button to exit *Function Mode*.

There is an alternate method for a Hard Reset your Andante CGP220:

1. Hold the C8 key down while switching on the power.
2. Continue to hold C8 down until you see "RESETTING" (scrolling) in the display then release.

OS/Objects Version

To check for possible updates to your operating system in *Function Mode* press the **Select ▲ or ▼** buttons one step past *HARD RESET?.* This will display the current operating software and objects version.

The display first shows the OS version, then the Object version. Visit the Kurzweil website (www.kurzweil.com) to verify that your Andante CGP220 has the latest versions. These are located under the Downloads tab for the Andante CGP220. Complete installation instructions are included in the downloaded files. A standard USB cable will be required for this operation.

About MIDI

MIDI is the acronym for **M**usical **I**nstrument **D**igital **I**nterface. It is the industry standard protocol which allows the exchange of musical data between electronic musical instruments, devices (such as a sequencer), and computers. MIDI enables MIDI-equipped devices designed by different manufacturers to communicate MIDI data to each other.

MIDI data is sent or received using standard MIDI cables to connect to other MIDI devices or a USB cable to connect to a computer. The Andante CGP220 is equipped with conventional MIDI In, Out and Thru ports, and a USB port. The current line of Kurzweil products have a standard class-compliant USB-MIDI implementation. They do not require the installation of any additional drivers.

MIDI Channels

Similar to television channels, MIDI protocol transmits multiple channels of MIDI performance data. Typical MIDI instruments can play up to 16 channels at the same time. Each channel can be assigned its own voice.

To change and/or assign MIDI channels, enter *Function Mode* and select the MIDI Channel parameter. See the MIDI Implementation chart at the end of this chapter for details.

MIDI In and Out and Thru Ports

The Andante CGP220 is equipped with the conventional MIDI In, Out and Thru ports. The MIDI In port is used to receive MIDI data from another MIDI device; the MIDI Out port is used to transmit the MIDI data generated by the Andante CGP220 to another MIDI device; the MIDI Thru port passes MIDI In data along to an external device.

When you connect the MIDI Out of the Andante CGP220 to the MIDI In of another instrument, you can play the sounds of both instruments simultaneously from the Andante CGP220's keyboard.

OUT   IN
Andante   Device

When you connect the MIDI In of the Andante CGP220 to the MIDI Out of another controller, you can control the Andante CGP220 using the other controller.

OUT   IN
Device   Andante

Depending on your system setup, you may want to use the Andante CGP220's MIDI Thru port to pass MIDI information from a MIDI controller or computer sequencer to the Andante CGP220 and on to the next device in your system.

USB MIDI Connection

In addition to the conventional MIDI In, Out and Thru ports, the Andante CGP220 also has a USB (Universal Serial Bus) port on the panel on the underside of the piano. You can connect the Andante CGP220 directly to a computer with a USB cable. This connection transmits and receives MIDI data between the Andante CGP220 and the computer.

The Andante CGP220 supports the "Plug and Play" feature used in the Windows XP or higher and Macintosh operating systems. No drivers are required to use this connection; but you may need to enable MIDI on your computer's sound and audio control panel.

To use the Andante CGP220 as a MIDI controller with a computer, use any Type-A to Type-B USB cable. By default, the Andante CGP220 acts as a MIDI controller (not a hard drive) when connected to a computer.

If you have a sequencer program installed on your computer, you can use this USB connection to record and play your music. The Andante CGP220's recorder is actually a simple sequencer and the performance you record into the Andante CGP220's memory is MIDI performance data. Using a computer-based sequencer program provides unlimited memory, editing, and the ability to post on the Internet.

USB   USB   Computers

USB
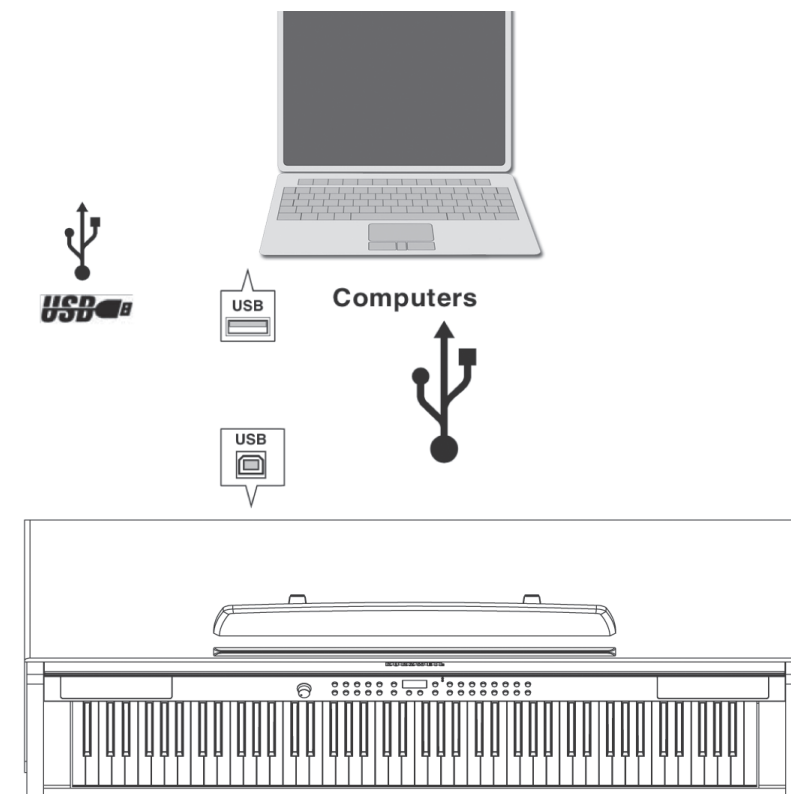
Using Windows applications for MIDI control

Certain apps (like Windows Media Player - WMP) released with Windows VIsta or later can no longer play MIDI songs triggering external MIDI devices; WMP is only routed to the internal Microsoft GS Synthesizer.

This means the MIDI app you choose to use must natively offer its own built-in MIDI mapping abilities. Most commercial MIDI software products for PC have a configuration screen which includes the MIDI device mapping necessary to route to an external MIDI device such as the Andante CGP220.

Andante CGP220 MIDI Implementation Chart

Model: CGP220

Manufacturer:
Young Chang

Date: 12/28/2014

Version 2.20

Function		Transmitted	Recognized	Remarks
Basic Channel	Default	1	1	Memorized
	Changed	1 - 16	1 - 16	
Mode	Default	Mode 3	Mode 3	Use Multi mode for multi-timbral applications
	Messages		All	
	Altered			
Note Number		0 - 127	0 - 127	Key Range: A0–C8
	True Voice	12 - 120	12 - 120	
Velocity	Note ON	O	O	
	Note OFF	O	O	
After Touch	Keys	X	X	
	Channels	X	O	
Pitch Bender		X	O	
Control Change		0, 32 Bank Select (MSB, LSB) 7 Volume 10 Pan 11 Expression 64 Sustain Pedal 66 Sostenuto Pedal 80 Sound Variation	O 0 - 31 32 - 63 (LSB) 64 - 127	
Program Change		O 0 - 127	O 0 - 127	
	True #	0 - 127	0 - 127	
System Exclusive		O	O*	
System Common	Song Pos.	X	O	
	Song Sel.	X	O	
	Tune	X	X	
System Real Time	Clock	X	O	
	Messages	X	O	
Aux Messages	Local Control	X	O	
	All Notes Off	X	O	
	Active Sense	X	X	
	Reset	X	X	
Note: Specifications subject to change without notice.		*Manufacturer's ID = 07 Device ID: default = 0		O = yes X = no

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Voice List

ID	Name	ID	Name	ID	Name
	PIANO 1		**ORGAN 1**		**STRINGS**
1	Concert Piano	33	Classic B3	65	Adagio Strings
2	Rock Piano	34	Soul Perc	66	Slow String Trem
3	Recital Piano	35	Testify	67	AdagioTutti 8ves
4	Bright Classical	36	Classic Traffic	68	Adagio Octaves
5	Parlor Piano	37	Mr Smith	69	Full Pizzicato
6	Jazz Piano	38	VASTBars1-3,8&9	70	Winds & Strings
7	Radio Pop Piano	39	Doors Vox	71	Gothic Climax
8	Upright Piano	40	Farfisa	72	Solo Harp
	PIANO 2		**ORGAN 2**		**VOICES**
9	Piano & Pad	41	All Stops	73	Mixed Choir
10	Piano & Choir	42	AllStops AllVox	74	Manhattan Voices
11	Piano & Harp	43	Chapel Organ	75	Choir Complete
12	R&B Keys	44	Pipe Stops	76	Cathedral Vox
13	Soul Piano	45	16' Open Flute	77	Aaah Vocals
14	Pub Piano	46	16' Ped Reed	78	Jazzy Ballad Vox
15	Dark & Distant	47	16' Viol	79	Bright Syn Vox
16	Triple Strike	48	ParisCmboAccordn	80	AntiqueAhhChorus
	E. PIANO 1		**CLAV**		**SYNTHS**
17	Stevie's Rhds	49	RealSupasticious	81	Super Saw
18	Duke's Dyno Rhds	50	Black Cow Clav	82	Classic SynBrass
19	Fagen Phaser	51	Joe's Clav	83	80's Heaven
20	XfadBelltoneRhds	52	Hiya Ground sw	84	80's Lead Synth
21	WoodstockClunker	53	TrampledUnder D6	85	PolySynth Stack
22	Supertramp Wurly	54	Stevie Fuzz	86	Classic Saws
23	What'd I SayWrly	55	Harpsichord	87	Big Old Jupiter
24	AustnCtyLmtsWrly	56	StBaroque Harpsi	88	Square Bell
	E PIANO 2		**BRASS/WINDSv**		**PADS**
25	FM EP 2	57	High-End Horns	89	Film Score Pad
26	Elec Grand Stack	58	Mostly Saxes	90	Majestic Pad
27	Rich EP+Pad	59	Brass Fanfare	91	Fairlight Pad
28	Tight Bright FM	60	Low Orch Brass	92	Evolving Pad
29	Gabriel's Melt	61	Bassoon/Oboe	93	Lush Pad
30	UK Pop CP70	62	Lead Trumpet	94	Lush Rhythm Pad
31	MistyMountain EP	63	Solo Trombone	95	Add A Pad 1
32	No Quarter Pnt	64	Flute/Clarinet	96	Add a Pad 2

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Voice List, continued

ID	Name
	GUITAR
97	Rich 'Caster
98	Rich Les
99	SuperStudioCast
100	Kinda Krunchy
101	RedHot/StudioStr
102	Boutique Six Str
103	Boutique 12 Str
104	Dulciliere
	BASS
105	P-Bass
106	Motown Bass
107	E-Bass
108	Flea/Bootsy
109	Jaco Fretless
110	AC Buzzer Bass
111	The Way It Is
112	Bass Pedal
	DRUMS
113	Kit 1 Open Rock
114	Kit 2 J Geils
115	Kit 3 West Boxy
116	Kit 4 Beatbox101
117	Kit 5 Brush
118	Kit 6 Latin Kit
119	Kit 7 Drum&Bass
120	Kit 8 Skrlx
	PERCUSSION
121	Celeste
122	Chimes/Glock
123	Real Vibes
124	Stereo Marimba
125	Xylophone
126	Carillon
127	Basic Orch Perc
128	Orch Timpani

Rhythm Patterns

ID	Name
	ROCK & POP
1	Ballad1
2	Ballad2
3	Ballad3
4	Ballad4
5	Ballad5
6	Ballad6
7	Ballad7
8	Ballad8
9	Pop1
10	Pop2
11	Pop3
12	Pop4
13	Pop5
14	Pop6
15	Pop7
16	Pop8
17	Rock1
18	Rock2
19	Rock3
20	Rock4
21	Rock5
22	Rock6
23	Rock7
24	Rock8
25	Triplet Rock
26	Twist
	MODERN
51	R&B/Dance1
52	R&B/Dance2
53	R&B/Dance3
54	R&B/Dance4
55	R&B/Dance5
56	R&B/Dance6
57	R&B/Dance7
58	Urban1
59	Urban2
60	Club1
61	Club2
62	Acid House
63	Electro
64	New Jack
65	Gospel

ID	Name
	LATIN
101	Latin1
102	Latin2
103	Latin3
104	Latin4
105	Latin5
106	Latin6
107	Cha Cha
108	Salsa
109	Rumba
110	Samba
111	Samba 2
112	Bossa Nova
113	Son Clave
114	Calypso
115	SongoCalypso
116	Songo
117	Mambo 1
118	Mambo 2
	JAZZ
151	Jazz1
152	Jazz2
153	Jazz3
154	Jazz4
155	Jazz5
156	Jazz6
157	Jazz7
158	Jazz8
159	Spy Jazz
	COUNTRY
201	Country1
202	Country2
203	Country3
204	Country4
205	Country5
206	Country6
207	Country7
208	Country8

ID	Name
	WORLD
251	Polka
252	Reggae 1
253	Reggae 2
254	Reggae 3
255	Reggae 4
256	Nanigo 1
257	Nanigo 2
258	Maqsum
259	Kherwa
260	Afrobeat
261	March
262	Reggaeton 1
263	Reggaeton 2
264	Reggaeton 3
265	Reggaeton 4
266	Kpanlogo
	METRONOME
301	1/4 Metronome
302	Metro MP 1/8nt
303	Metro MP 1/16nt
304	Metro MP 3/4
305	Metro MP 6/8
	USER
351	NoDrumSong

Demo Song List

ID	Name
401	Brahms-Rhapsody
402	Prelude I
403	Invention NO.4
404	Invention NO.8
405	Prelude II
406	ARIA Goldberg
407	Fuga II
408	Sonatine Op.36
409	Klavierstuck
410	Piano Sonate
411	Rondo in D
412	Piano Sonate K.3
413	Piano Sonate K.5
414	Minuette in G
415	Bagatelle No.25
416	Sonatine Op.55
417	March Militaire
418	Moments Musicaux
419	Impromptu No.2
420	Impromptu No.4
421	La Chevaleresque
422	Without Words
423	Venetianisches
424	Sostenuto
425	Valse KK
426	5 Mazurkas
427	Valse Op.69 No.2
428	Grande Valse
429	Valse Op.64 No.2
430	Nocturne No.2
431	Valse Op.64 No.1
432	Preludes in Db
433	Fantaisie-Improm
434	Traumerei
435	Frolicher Landma
436	Von fremden Land
437	Liebestraume#3
438	Dolly's Dreaming
439	Fruhlingsstimmen
440	The Swan

ID	Name
441	Blumenlied
442	Valsette
443	Old French Air
444	Mazurka
445	Polka
446	Barcarolle
447	Humoreska
448	Suite 'Peer Gynt
449	SuiteBergamasque
450	Reverie
451	Arabesque I

Andante CGP220 Features

Keyboard	88-Note, Graded Hammer-Action Keyboard with adjustable touch sensitive keys
Preset Programs	128 Expressive sounds. 8 Drum Kits
Splits/Layers	Split /Layer, easy access with adjustable relative volume
Effects	Dual ambience and effect processors (reverberation and chorus). Rich and complex effects from the PC3 Series.
Drum Patterns	98 prerecorded interactive patterns in a variety of styles
Recorder/Sequencer	2 Track Song Recorder with accompanying rhythm track
Sound System	4-speaker, 4-amplifier, 200-watt stereo sound system
Headphones	(2) 1/4" stereo headphone outs
I/O Jacks	MIDI In, Out and Thru connectors 2 RCA Stereo Input & 2 RCA Stereo Output Jacks
USB	(1) Port, "Plug and Play" USB functionality allows MIDI over USB for connecting to/from an external computer sequencer; no software driver needed
Pedals	3 Pedals: Soft, Sostenuto, Sustain. Optional Volume/expression Pedal Unit
Polyphony	64 voices
Finish	Ebony Polish
Dimensions	54 3/4"w x 34 1/2"h x 19 5/8"d (1390mm x 876mm x 498mm)
Weight	221 lbs (100kg)
Power	90-250V AC 50/60 Hz free voltage 3A. 250W maximum

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KURZWEIL