

KD-165

OWNER'S MANUAL



KOHLER
DIGITAL

SOFTWARE VERSION RELEASE 1.0

KOHLER
D I G I T A L
KD 165

OWNER'S GUIDE

WELCOME

Congratulations on choosing the Kohler KD165 digital Piano with the AUTO PLAY player piano function. The KD165 was designed to turn a your digital piano into a state-of-the-art player piano.

OVERVIEW

The moment you insert a special CD into the almost invisible controller, or select a song from a floppy disk or the onboard hard drive, your KD165 becomes a player piano. Enjoying piano music at its best is as close as the touch of a button. The easy-to-use remote control gives you the convenience you are accustomed to with your audio devices. Familiar controls like Play, Stop, Preset Volume and Track Select make this sophisticated system as easy to operate as your CD player.

The Kohler KD165 captures all the musical expressions of the original performing artist. Then the KD165 goes further, providing dazzling accompaniments by orchestras and bands. Many of the CDs have vocal tracks recorded by noted artists. The expansive CD library from two major player piano company's library will satisfy your every musical wish.

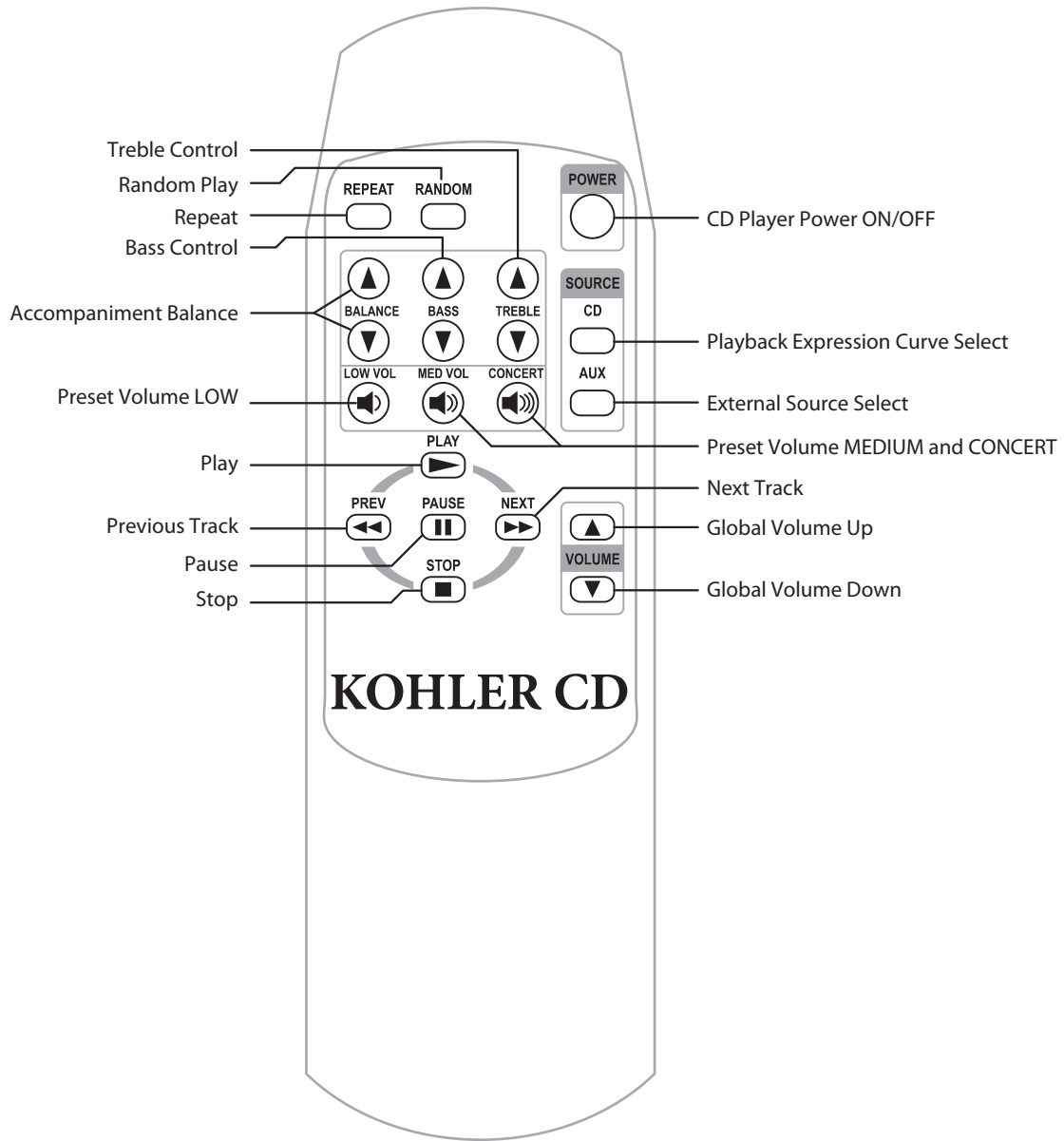
You can also play Standard MIDI files from the floppy drive or the hard drive. The KD165 will "find" the piano part (if any recorded) in the MIDI file and direct it to the Grand Piano sound as well as to the player mechanism to move the keys.

The KD165 will read and play the QRS and Piano Disc CD library and any standard MIDI file.

GETTING STARTED

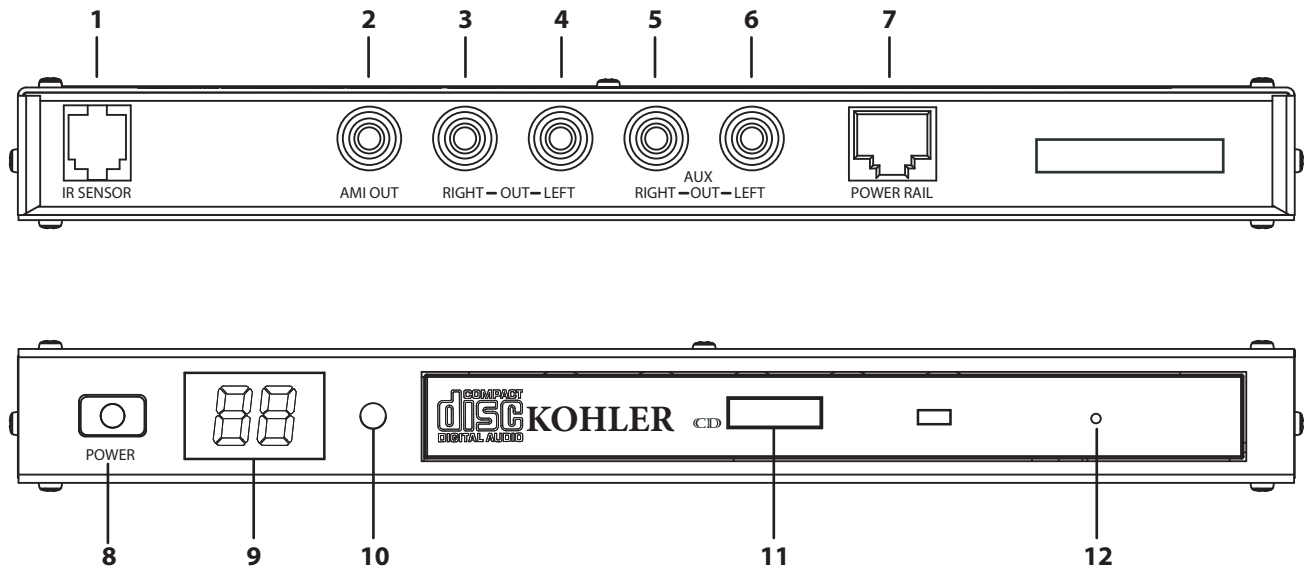
Controls and Indicators

Table 1. Remote control Identification



The **Kohler KD CD** remote controller is an IR (infra red) device. The remote control operates best when you point it directly at the front of the KOHLER CD control unit, or at the external IR sensor. Battery: The remote controller's battery compartment contains 2 AAA type batteries.

Table 2. Stationary Controller



- | | |
|---|--|
| <p>1 IR SENSOR
External IR sensor connector.</p> | <p>8 ON/OFF BUTTON
Used to turn on and off the unit.</p> |
| <p>2 ANALOG MIDI OUT
Used to send special analog MIDI signal to external device.
Note: Function is not available in firmware MIDI processor V59 and under.</p> | <p>9 LED DISPLAY
Displays CD track numbers and control functions.</p> |
| <p>3 & 4 LINE OUTPUT RIGHT AND LEFT
Used to connect external amplifier and/or powered speakers to the KOHLER CD.</p> | <p>10 IR SENSOR
Remote controller sensor.</p> |
| <p>5 & 6 LINE INPUT LEFT AND RIGHT
Used to connect an external audio source to the KOHLER CD.</p> | <p>11 DISC TRAY OPEN BUTTON
Used to open the CD Tray.</p> |
| <p>7 POWER RAIL CONNECTOR
Used to connect the solenoid engine to the KOHLER CD.</p> | <p>12 DISC TRAY
Used to hold CD to be played.</p> |

BASIC OPERATION

In this section you will find functions that allow you to enjoy your new player pianos features.

The Auto Play function is turned on with the KD165's Power On button. You can also turn the CD player ON and OFF using the remote control or by pressing the power on button on the stationary CD controller. For the convenient operation many functions are accessed from the remote control. The quickest way to start the player piano function is as follows:

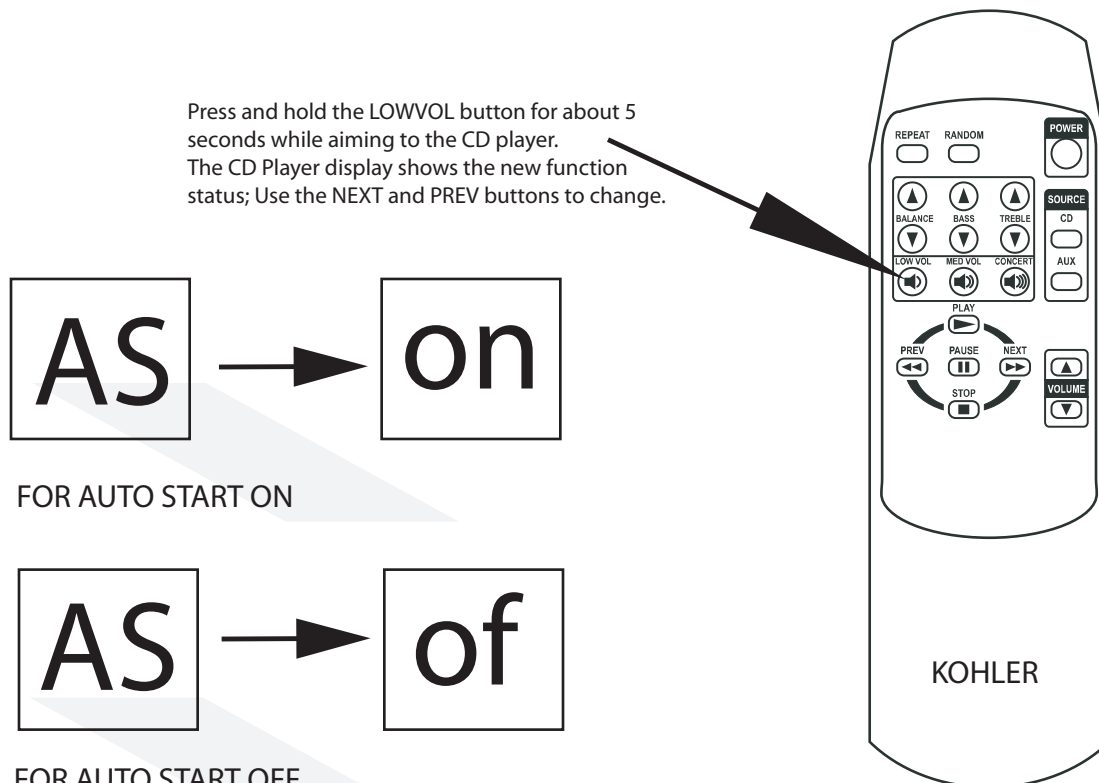
1. Insert a player piano CD in to the CD drive
2. Press the AUTO PLAY button on the KD165s user panel



The player piano will start playing after a few seconds.

This is a user programmable feature. If you'd like to use it, you will need to enable the function. By default (from factory) this function is disabled.

How to enable/disable the AUTO PLAY function from the user panel:



The Autostart status function remains stored in the memory, so it remains remembered even after the KD165 is turned Off.

BASIC OPERATION

The AUTO PLAYER function is automatically turned on when the POWER ON/OFF button is used. If a CD is already inserted in to the CD drive, you can start the player piano function simply by pressing the AUTO PLAYER button above the PIANO button.

PLAYBACK

(for convenient operation most player piano functions are operated from the remote)

If the system is turned ON while a CD is already in the CD player, the KD CD player will briefly scan the CD and display the total number of song selections.

For example if the CD contains 16 selections, the display shows:



By pressing PLAY on the remote control KD will play the first track.

The displays shows:



The flashing dot is indicating playback mode.

STOP

To stop playback, press the STOP button on the remote control.

Display shows **St** for approximately 3 seconds then the total number of tracks.



AUTO PLAY

KD CD's remote provides complete and convenient control over all the functions. However, if for any reason the remote control cannot be used, the Auto Play function allows automatic playback. Every time the CD tray is opened, a CD is inserted and the tray is closed again, KD CD automatically selects the first track and starts playback at medium preset volume level. For the keys to move, the AUTO PLAY button on the KD165 control panel has also be engaged.

PAUSE

To pause the playback press PAUSE on the remote control.

The current track number will flash on the display until PAUSE or PLAY is pressed again.

For example:

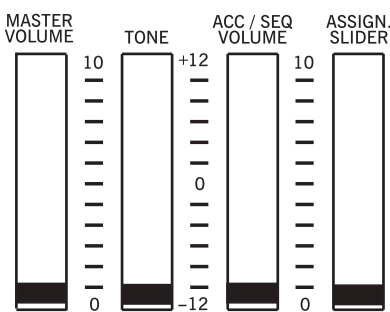
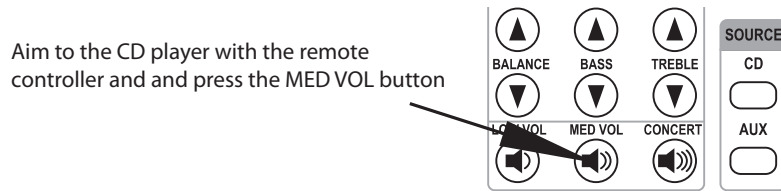
Flashing



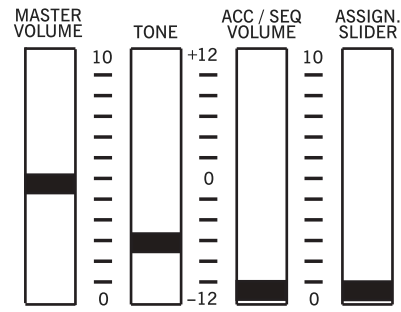
To resume playback, press PAUSE again or PLAY.

VOLUME SETTINGS FOR THE AUTO PLAYER

The player piano and the accompaniment volume can be adjusted from the front panel sliders as well as from the infra red remote controller. It is recommended first to adjust the front panel sliders and then use the remote controller for convenient operation.



Set all four sliders to 0

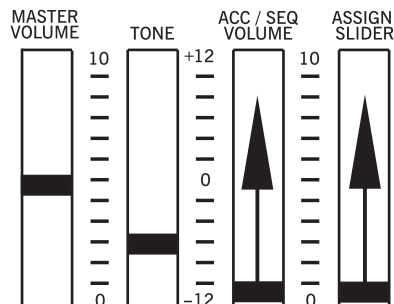


Play the keyboard like you normally would and adjust the MASTER VOLUME and TONE to the desired setting.

Insert a player piano CD into the CD player or select a song in the SONG PLAY section from a floppy disk or the hard drive.

Remember, that only SONG1 can be used in the AUTO PLAYER mode and the BALANCE SLIDER has to be in the upper (SONG1) position.

Start the playback by pressing the AUTO PLAYER button (if you want to play a CD), or PLAY1 in the SONG PLAY section after loading the song into the memory.



Slowly move the ACC/SEQ VOLUME slider up to increase the PIANO volume, and the ASSIGN SLIDER to adjust the accompaniment level (if playing an orchestrated CD). After this basic adjustment you can also use the remote control functions as described next.

TRACK SELECTION — PREV (PREVIOUS) AND NEXT (NEXT)

By pressing down the PREV (previous) or the NEXT (next) buttons, tracks can be selected in both STOP or PLAY mode. After the track is selected in STOP mode, press play. While in PLAY mode, the selected track will start playing automatically.

Display shows:

XX corresponds to track numbers.

Current track #



VOLUME

Volume ↑ (UP) and ↓ (DOWN) control global volume settings of the piano and orchestral accompaniment. Pressing repeatedly ↑ or ↓ will increase or decrease the volume in increments.

Display shows:

X corresponds to a volume level 0-9.



Note: Global volume, balance, bass and treble settings will be memorized when the system is turned OFF.

PRESET MASTER VOLUME SETTINGS

The Preset Master Volume controls allow convenient instant global volume changes. The LOW preset provides a listening level when quiet background music is desired. When the CONCERT preset level is selected, ConcertMasterCD reproduces all the musical expressions of the original performing artist. Although preset volume settings have default levels, they are also user programmable. When a preset is selected the display shows lx, hx or co for 10 seconds. During this time the volume, bass and treble control buttons can be used to modify the selected lx or hx settings. CONCERT preset is not user changeable. To reset presets to the factory settings turn off the main power switch off the piano player for 30 seconds and then turn the system on again.

LOWVOL (low volume) - display shows:



MEDVOL (medium volume) - display shows:



CONCERT (concert volume) - display shows:



BALANCE

BALANCE ↵ or ↵ will increase the accompaniment volume level.

When BALANCE ↵ or ↵ is pressed the display shows:



BASS AND TREBLE CONTROLS

BASS and TREBLE ↵ or ↵ will change the tone of the accompaniment track by increasing or decreasing the bass and treble levels.

When BASS and TREBLE ↵ or ↵ buttons are pressed the display shows:

Bass



Treble



X corresponds to the relative level setting.

Note: BALANCE, BASS and TREBLE level numbers (**X**) correspond as follows:

- 4** default (center) setting
- 5 - 8** increase
- 3 - 0** decrease

For best results set the VOLUME control on the amplified speaker to 75%, and the BASS and TREBLE controls to center.

MUTE (PIANO MUTE)

The mute function allows the user to turn off the player piano while the accompaniment is playing. This is recommended when playing standard audio CDs to avoid randomly triggered notes.

To mute the piano press the LOWVOL (low volume preset) twice within three seconds.

To play along with with the accompaniment use the CD play functions but do not press AUTO PLAY.

The display shows:



To disengage Piano Mute press LOW VOL (low volume preset) twice within three seconds.

PIANO EXPRESSION LEVEL

To see what piano expression is currently used, press button CD while playback.

Light expression:



Medium Expression:



High expression:



Current expression selection remains displayed for 3 seconds.

To change current expression: press button CD while expression is displayed. CD Player select next available expression (d1, d2, d3, d1, d2, d3...)

Note: Piano expression remains remembered between tracks, when CDs are exchanged. Piano expression is remembered independently for Pianomation® and PianoDisc® CD type. After device power-up, expression selection is reset to 'd1'.

REPEAT

Pressing the Repeat button once will repeat the current song.

The display shows:



briefly, then
displays the track #



Pressing the **Repeat** button twice within 3 seconds will repeat the current CD from the beginning to the end.

The display shows:



briefly, then
displays the track #



Repeat play can be stopped by pressing the **STOP** or **PAUSE** button.

RANDOM

Random or shuffle play will randomly select and plays elections from the current CD. By pressing the Stop button followed with the Random button on the remote control, each selection on the current CD will be **played in random order once**. **After all the songs are played, ConcertMasterCD will go into Stop mode.**

The display shows:



briefly, then
displays the track #



Repeat functions also can be used while in random mode. Pressing the Random button followed by the Repeat will engage a non-stop random playback mode in which songs are played and repeated infinitely. Pressing Stop or Pause will cancel the Random mode.

STANDARD AUDIO CD PLAYBACK

Standard audio CDs will be automatically recognized and played.

Track selection, volume, bass and treble adjustments function as in normal playback mode.

Keys will be not moved when playing standard audio CD.

SOURCE SELECT

KD CD will automatically recognize the format of the inserted CD.

When **C1** source is being detected the display shows:

for 1 second, followed by the current track number.

C1 corresponds to a QRS Pianomation® CD format.



When **C2** source is being detected the display shows:

for 1 second, followed by the current track number.

C2 Corresponds to PianoDisc® piano CD format.



Note: Player piano CDs are special CDs, standard audio CDs will not activate the player mechanism.

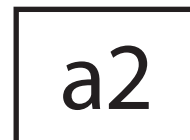
Press **AUX** once to select AUX1 source mode. the display shows:



AUX1 selection allows you to play external Audio sources connected via the Auxilliary input such as a multi CD changer, VCR, DVD or Video CD player.

Pressing the **AUX** button twice within 3 seconds will select the AUX2 input mode.

The display shows:



AUX2 mode - allows you to play Pianomation® CDs connected via the Auxiliary input such as a multi CD changer, VCR, DVD or Video CD player.

TO IDENTIFY CURRENT VERSIONS OF FIRMWARE IN YOUR KOHLER KD PLAYER SYSTEM:

You may be asked by the technical support or piano technician to identify the version of your *Kohler KD Player* firmware. To identify installed firmware please follow these instructions:

- If your KD165 is turned on, turn it OFF first and wait about 30 seconds.
- Turn ON the KD165.
- Observe the Power ON sequence of the digits on the KD165 display.

This sequence will begin to display immediately after turning the Power supply on, it is recommended to have the pencil and paper handy to note the sequence of the digits.

THE POWER ON DISPLAY SEQUENCE OF THE DIGITS TRANSLATES TO THE FIRMWARE VERSION AS FOLLOWING:

1. **88** - Optionally this shortly appears
2. **ap** - Acoustic Piano CD player
3. **m3** - First digit of CD player Main controller firmware version, (M) 3 in this example
4. **26** - Second two digits of CD player Main controller firmware, 26 in this example
5. **ad** - MIDI processor header (AD)
6. **34** - Second two digits of MIDI processor firmware, 34 in this example
7. **g1** - Solenoid rail controller firmware version first digit, (G) 1 in this example
8. **42** - Solenoid rail controller firmware version second two digits, 42 in this example
9. **88** - End of Power ON Display sequence, the display test, all segments are enabled

The version of the firmware as per the example above is:

CD player main controller v 3.26

Midi processor : v34

Solenoid rail controller : v 1.42