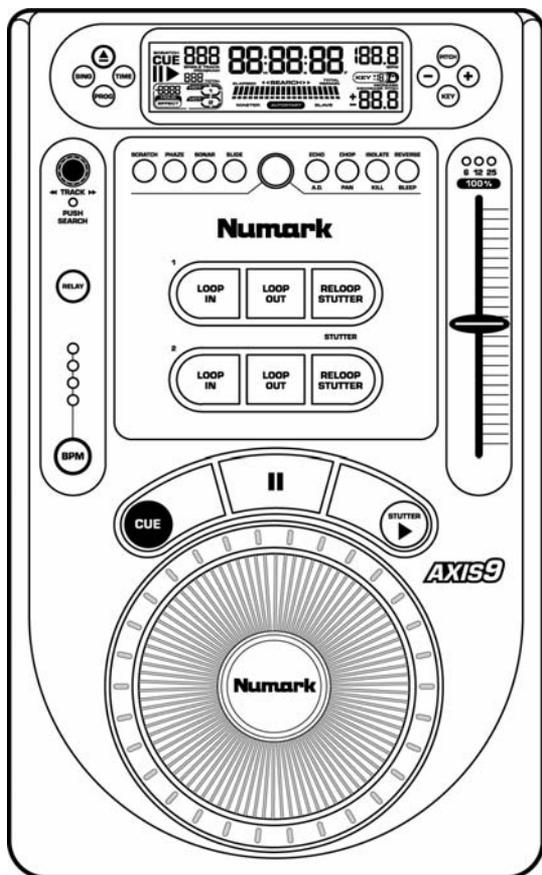


# Numark® AXIS 8/9

## Tabletop CD Players

### Reference Guide



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## BASIC OPERATIONS



**Open/Close:** Press to load or eject the disc. The drawer will automatically close to protect the tray from accidental damage while open. *NOTE: Tray will not open if the disc is in play.*

*In order to program the automatic close time press and hold "PROG" followed by "OPEN/CLOSE". The display will indicate options of 30 seconds, 60 seconds, 120 seconds, and (no) for no auto close. This setting will be remembered at power down.*



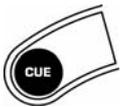
**Play/Stutter:** Starts the music from either the first set cue point or the last point of pause. By starting from the last pause point while the unit is paused a new cue point is set. Pressing this button while the unit is in play restarts the unit from the last cue point, creating a "stutter" effect.

*Startup speed of initial play can be adjusted by pressing "PROG" followed by "PLAY/STUTTER" and then rotating the wheel until the desired seconds of startup are shown. Pressing "PROG" followed by "PLAY/STUTTER" twice will toggle startup between 0 to the desired seconds. This setting will be remembered at power down.*

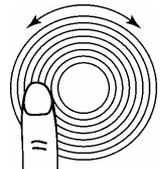


**Pause:** Stops the music while in play. Pressing play following this sets a new cue point. Holding down the button while scratching or stuttering the music will stop the music at the current position, allowing you to capture a loop in or cue point.

*Pause speed (BRAKING) can be adjusted, by pressing "PROG" followed by "PAUSE" and then rotating the wheel until the desired seconds of startup are shown. Pressing "PROG" followed by "PAUSE" twice will toggle startup from 0 to the desired seconds. This setting will be remembered at power down.*



**Cue:** Returns and pauses the music at the last set cue point. The cue point is the last place in which the unit was paused and then play was pressed. Pressing a second time allows for temporary play of this point. You can easily edit the cue point by turning the wheel. As you rotate the wheel the music will sound. By stopping the wheel and pressing play a new point is set.



*The sound during wheel rotation can be adjusted from a smooth "scratch" sound to the traditional "stutter" sound. To alternate modes hold "PROG" followed by "CUE". The display will indicate **SCRATCH** when the scratch sound is active. This indication will go away when the style of cue is stutter. This setting will be remembered at power down.*



**Time:** switches the time modes on the display between elapsed playing time, remaining time on the track and remaining time on the entire CD. *This setting will be remembered at power down.*



**Single:** toggles the unit to play back just one track at a time (single) or play continuously through all tracks and then start over repeating the CD infinitely (continuous). *This setting will be remembered at power down.*

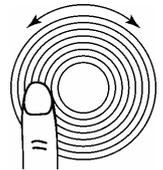
*You have an option for eliminating the dead space at the end of tracks during continuous mode. The unit already automatically removes dead space at the beginning of tracks. End of track dead space elimination is useful if you are playing a CD continuously and want to eliminate all the gaps between songs. Press "PROG" followed by "SGL". The display will indicate "SPRCE" when the function is set to eliminate space and indicates " - SPRCE " when the unit is left to leave the natural space between tracks. This setting will be remembered at power down.*



**Track Selection:** Rotate the dial to quickly find the desired track. To advance by +10, press the knob while rotating.

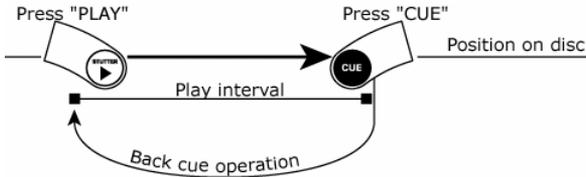
*You can also pre program the desired sequence of songs Track sequence programming can be done by pressing "PROG" while the unit is stopped and "PROGRAM" will light. Select each track to be programmed then press "PROG" between selections. Press "PLAY/STUTTER" to start the track sequence program playing. To exit and erase program hold "PROG" for more than 2 seconds while the unit is stopped, open the disc tray, or turn off the power.*

**Search:** Pressing the "TRACK" selector changes the mode of the jog wheel to a search mode. Search will remain active while the wheel is being moved and for 8 seconds after. Moving the wheel clockwise rapidly moves forward through the music. Counterclockwise moves backwards through the music. There are 2 search speeds depending upon wheel rotation speed.



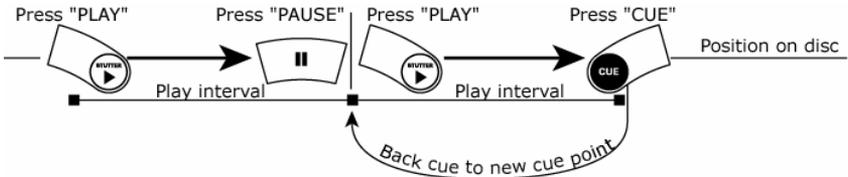
## SETTING CUE POINTS

### PLAY and CUE



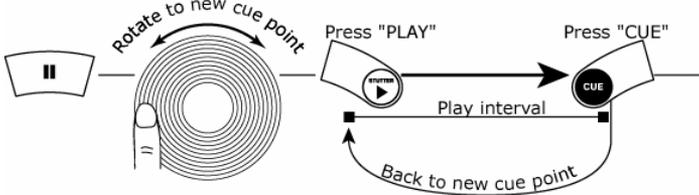
Pressing the **"PLAY"** button starts the disc. Pressing the **"CUE"** button will reset the disc to the last place where the disc was started. This is called the cue point. By alternately pressing the **"PLAY"** button and the **"CUE"** button, the disc may be returned and played from the cue point any number of times. This function is called back cue.

### PLAY, PAUSE and CUE



When pressing **"PLAY"** to start then pressing **"PAUSE"** and then **"PLAY"** again, a new cue point will be set. Pressing **"CUE"** will return to the last pause position and will be the new cue point.

### EDITING CUE POINT



When the jog wheel is turned while paused, a new cue point can be located. By pressing **"PLAY"** while paused that point will be set. By pressing **"PLAY"** again (STUTTER) the point can be checked as desirable.

## CUE/LOOP POINT STORAGE AND RECALL

### To SAVE Cue and Loop points on the current CD:

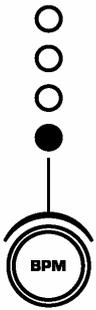
- CD should still be in the drawer with cue and loop points set.
- Press **"PROG"** + .
- Cue points are stored and LCD shows "CUE STORE" for 1 second.

### To RECALL Cue points on the current CD:

- Press **"PROG"** + .
- If CD player is open, it will automatically close and LCD will show "CUE FETCH" to indicate cue point loading.
- If CD is already in the player, it will stop the current function and show "CUE FETCH" to indicate cue point loading.
- All cue, loop in, and loop out points are restored along with the BPM and downbeat for immediate access to beatkeeper functions.
- If the CD doesn't have cue points stored on the CD player, then the LCD will show "NO FETCH".

## THE BEATKEEPER™ III

The AXIS 9 includes the latest Numark patented Beatkeeper™ technology. The Beatkeeper™ automatically tracks beats based upon a combination of frequencies and rhythm patterns in the music. It shows BPM in the display and outputs 4-count (a.k.a. measure) information about the music in a marching bar graph.



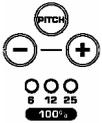
**The Bar Graph:** Most dance music and rock is set up in 4 beat increments called measures. Many of the features within the AXIS-8 use this information for incredible results. It's important to understand the basics of how the Beatkeeper works to effectively take advantage of other advanced features in the unit. The bottom LED is for the 1<sup>st</sup> beat or "Down Beat". Typically, most music starts on the downbeat so the unit sets the first beat to where the music begins. Occasionally this may not be correct or you may wish to reset it. To reset the downbeat simply tap the "BPM" button at the new downbeat location as the music is playing or while in pause.

**BPM:** This button is used for resetting the downbeat and also recalibrating the BPM. The Beatkeeper is considered by many to be the most accurate automatic beat counter on the market today, however, it occasionally may have trouble determining the correct BPM. This can happen when the music contains complex rhythms, or if it starts without a beat at all. If you know the BPM showing in the display is incorrect, or if the beat LEDs are not flashing with the beat, you have 2 options to reset the Beatkeeper.

1. Tap "BPM" on the downbeat and hold for a second. This will tell the unit to search and display the next BPM it finds.
2. If holding the "BPM" button doesn't work you can manually tap "BPM" on the beat and the display will indicate the new BPM. The BPM will be based upon the average of your last 8 taps. The Beatkeeper will then know which beats in the music it should be using to determine the correct BPM and it will track them through the song.

Occasionally the unit will be tracking the wrong beat but have the correct BPM. To reset the downbeat, simply tap the "BPM" button once on the downbeat.

## ADJUSTING PITCH/ALIGNING BEATS



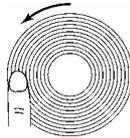
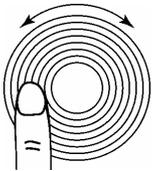
**Pitch Button:** Activates the pitch slider and adjusts the amount of control the pitch slider has on the overall speed of music. Pressing "PITCH" will toggle the slider on and off. Range adjustments of 6, 12, 25, and 100% can be achieved by holding down "PITCH" and then pressing to cycle through the range options. *This setting will be remembered at power down.*



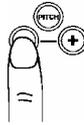
**Pitch Slider:** By moving the slider toward "+" the speed of the music speeds up. By moving toward "-" the speed slows down. With 100% control the music can be stopped or played at 2 times original speed. To match the speeds of two units you can either monitor the music of both units by ear or use the automatic BPM readout and adjust the pitch to match.

When the tempo of the music of the CD you wish to match is slow compared to the tempo of the other music, move the slider to the (+) end and match the BPM.

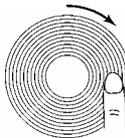
When faster, move the pitch slider to the (-) end. By making this adjustment the speeds will be matched though the beats may not yet be aligned.



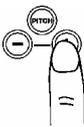
or



When the beats of the music of the CD you wish to match are fast compared to the tempo of the other music press the button or rotate the jog wheel counter clockwise (to the left).



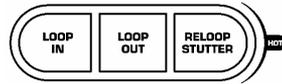
or



When PLAYER 2 is behind press the button or rotate the jog wheel clockwise (to the right). The pitch changes temporarily while the or buttons are being pressed or the jog wheel is rotated.

*The faster you rotate the wheel or the longer you hold the buttons the more you change the speed. Releasing the button or wheel results in a return to the original pitch.*

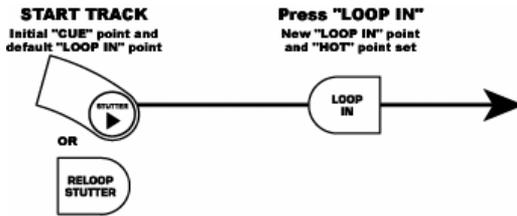
## LOOPING OPERATIONS



A loop is any area of a CD that you choose to repeat seamlessly. On the AXIS 8/9 two seamless loops are possible.



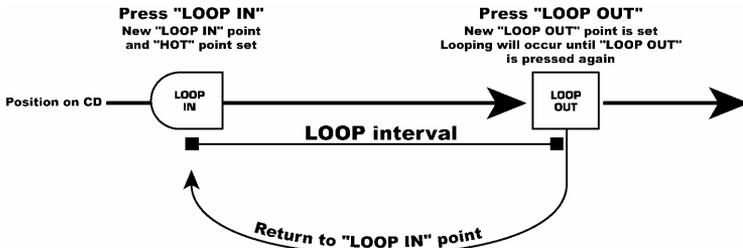
**LOOP IN:** is the point where you wish for the loop to start. The initial "CUE" or "PLAY" point of the CD is also the default "LOOP IN" point for both loops or "Hot Start" point. If you wish to set a new "LOOP IN" point, just press "LOOP IN" while the CD is playing when it reaches the desired point. The "LOOP IN" button will light indicating a new loop is set. The "RELOOP/STUTTER" button and **HOT** in the display will also illuminate indicating a point has been set and is accessible for "STUTTER". *By default the "LOOP IN" also becomes the "STUTTER" or "HOT START" point.*



*The CD Player will always remember a new set point as the "LOOP IN" or "HOT START" point until you actually set a new "LOOP IN" point or put in a new CD. The new point will be accessible until you remove the CD from the unit. If you change tracks and you previously set a "Loop In" on another track, pressing "RELOOP/STUTTER" will jump to that point.*



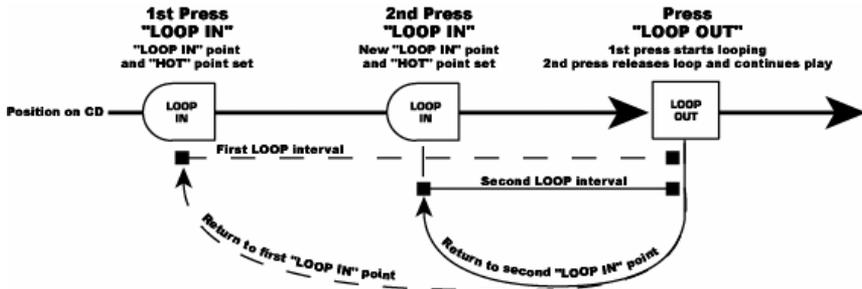
**LOOP OUT:** is the end point for a loop. The first time you press "LOOP OUT" while a CD is in play mode, the "LOOP OUT" LED will turn on and flash while the song automatically returns to the "LOOP IN" point with no breaks and continues to play. When the song reaches the "LOOP OUT" point again it returns to the "LOOP IN" point and continues to repeat this action. You will notice the "LOOP IN" LED will also be flashing during loop action. To release or end the LOOP press "LOOP OUT" a second time and play will continue forward when the song passes the previously set "LOOP OUT" point. The "LOOP OUT" LED will be lit solid indicating that the LOOP is now in memory for "RELOOP" purposes.



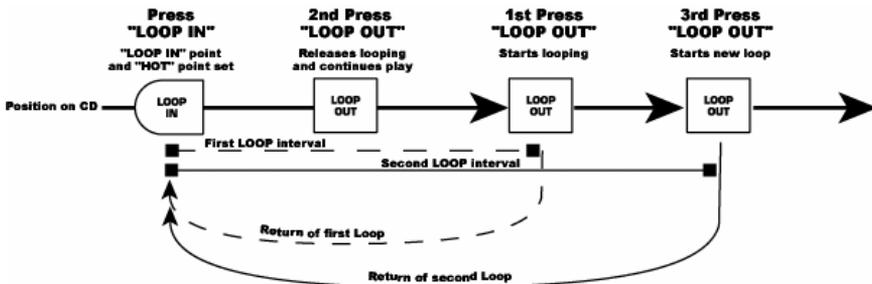
*Note: The "LOOP OUT" point will be erased if "LOOP IN" is pressed or a new "CUE" point is set after the "LOOP OUT" point. This is important because without this point, "RELOOP" will not be possible.*

## MOVING LOOP POINTS

The "LOOP IN" point can be moved while the music is playing just by pressing "LOOP IN" at the new desired point. The next time "LOOP OUT" is reached the CD will return to this new "LOOP IN" point. If "LOOP IN" is pressed after the "LOOP OUT" point it will clear the "LOOP OUT" point. The "LOOP IN" point can also be edited while paused. First hold down "CUE" then press "LOOP IN" to move to the loop in point. Next rotate the wheel to search for a new cue point and then press "LOOP IN" again to set the new point. Check your point by pressing "RELOOP/STUTTER".



The "LOOP OUT" point can also be moved while a loop is playing. Press "LOOP OUT" to release the old "LOOP OUT" point and pressing it again at the new desired point.



## SMART LOOPING **S-LOOP**

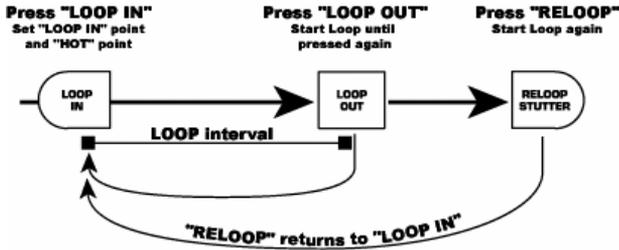
The Beatkeeper and Looping can work together to set perfect loops every time. In order to work correctly first properly align the Beatkeeper™ on the beat. To activate smart looping hold down "PROG" followed by "RELOOP/STUTTER" at the same time. After this has been done all loop points and stuttering will play perfectly to the beat of the music.

**RELOOP/STUTTER:** 2 functions depending on loop setting.



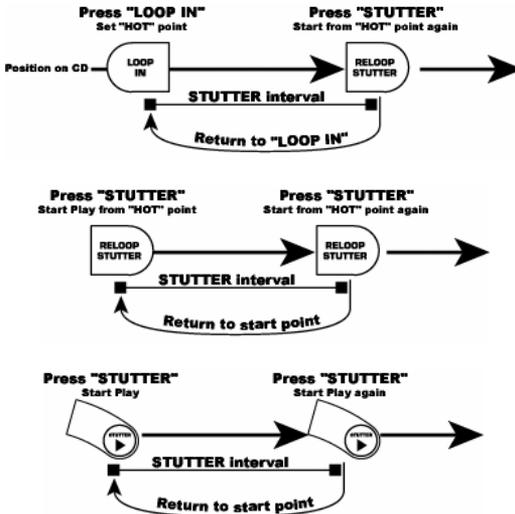
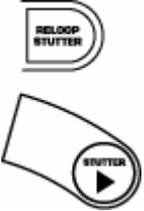
“RELOOP” is only possible if “LOOP” points have been previously set.

The “RELOOP” function automatically returns the music to the “LOOP IN” point and will play the loop until it is released with the “LOOP OUT” button.



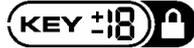
“STUTTER” starts instant play from previously set “Hot” points. Simply

set your stutter (Hot Start) point by follow the directions for setting loop in because the points are the same. **Remember the button serves also for the reloop function so if a loop out has been set the unit will also loop until released.** This function lets you set 3 Hot Start points. The first is based on the “PLAY” cue point and the second two are based upon “LOOP IN”. Since the default “LOOP IN” points are also the initial start point your unit can be “stutter” started from up to 3 buttons.

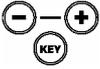


*Note: The CD Player will always remember a new set “Hot” points until you actually set a new “LOOP IN” point or put in a new CD. The new point will be accessible until you remove the CD from the unit. If you change tracks and you previously set a “Loop In” on another track, pressing “RELOOP/STUTTER” will jump to that point.*

## KEY LOCK / KEY CHANGE



The AXIS 9 uses Numark exclusive technology to lock the key of the music in place at the current pitch position or change it from the current position. This is different than "master tempo" often found on many modern units because the key lock to the current pitch position and not automatically set to the "0" pitch position. By doing this we have allowed you to activate this function while playing without changing the key.



**Key Lock:** Pressing "KEY" holds the key in place. The display will

indicate  to show the current key is locked. If pitch (tempo) is changed the current key will continue to play. By putting the pitch at 100% you can actually slow the music to a complete stop while playing the last heard tones of the music. This works very well on vocals and can be a very cool effect. If the unit has Key Lock active after the track has been changed and before play is hit, the unit will lock to 0. If Key is deactivated during pause the unit will reset to match the current pitch position.

**Key Change:** Pressing "KEY" and then  or  will change the key. The display will indicate the  and the new key. The key can increase to 1 octave above normal key or up to 2 octaves above normal key when the Slide effect is used. The key can decrease up to 5 octaves below normal key. The display will limit to 19 half steps above or below normal key. If the key is higher, the display will show "H". If it is lower, the display will show "L".

## SPECIAL EFFECTS



**EFFECT SELECTION (Single Mode):** To select and activate an effect tap on it's button, it will light to indicate activation and effect will indicate in the display. To put the effect into hold mode or active alternate effects press the center button. The button will light indicating the hold has been activated and hold will show in the display. To release any button, tap it once again.

**EFFECT SELECTION (Multiple Effect Mode) (AXIS 9 ONLY):** In order to activate/deactivate this mode press **PROG + HOLD**. The display will indicate "MULTI" or "NO MULTI". Press an effect and move the wheel to the desired parameter. Then press a second effect. The first effect will flash while the current effect will be solid. To change effects, select the effect you want. To release, press the "current/solid" effect a second time.

You can use a combined effect value of 4 effect values at the same time.

These values are:

<b>SCRATCH</b>	:	<b>0</b>
<b>PHAZE</b>	:	<b>2</b>
<b>SONAR</b>	:	<b>2</b>
<b>SLIDE</b>	:	<b>2</b>
<b>ECHO/A.D.</b>	:	<b>1</b>
<b>CHOP/PAN</b>	:	<b>1</b>
<b>ISO/KILL</b>	:	<b>1</b>
<b>REVERSE/BLEEP</b>	:	<b>0</b>

*Scratch and Reverse are always possible. If more than the allowed values are attempted, they will not activate.*

For example:

- You can have Echo, ISO, Scratch and Sonar
- Phaze and Slide with Reverse
- You can not have Phaze, Sonar, and Echo

**EFFECT PARAMETER SELECTION:** Once an effect is active, rotate the wheel (AXIS 8) or inner touch wheel (AXIS 9) to the desired parameter value. The parameter value for most effects will show in the display above the effect indication.



*Note: For all effects except reverse, you will need to activate pitch bend via the pitch bend buttons. On the AXIS 9 you can also use the outer non-touch section of the jog wheel.*

**EFFECT PARAMETER PRESET:** Press on the desired effect and rotate the wheel (AXIS 8) or inner touch wheel (AXIS 9) without releasing the button. When the desired parameter is reached in the display, release the button. If an effect is already playing, the new parameter will be heard upon button release. If the effect is not active, then the next time the effect is activated it will be set to play from this parameter in "hold" mode. If you wish to preset an alternate effect such as SLIDE, PAN, or KILL press the hold button first, then hold down the effect button and spin the wheel as described above.

## EFFECTS:



**SCRATCH** – This effect makes it possible for the wheel to scratch the music while it is playing. If you move the wheel back and forth the music will stop and play slowly as the wheel is moved similar to scratching a record. There are several modes of operation for this effect. By pressing “PROG” followed by the scratch button you can toggle between Scratch 1,2,3, and 4. In “Scratch 1” the unit automatically returns to play when the wheel is released. In “Scratch 2”, when the wheel is brought to a stop the music will stop and when you push the wheel forward the unit will automatically play. In “Scratch 3” the unit scratches from the current buffer until the unit is released. When released, the unit jumps ahead to the point where the music would have been, if not interrupted. This essentially allows a bleep of dirty lyrics through scratch. In “Scratch 4” the unit scratches from the last set cue point until released. This allows you to scratch from a set “sample”.



**SCRATCH HOLD** – This effect works like the above except the music will not release when the wheel is pushed forward or let go. It is basically the same as scratching on a powered off turntable. Scratch is similar to working with a playing turntable, while the Scratch hold is similar to scratching a turntable with the power off.



**PHAZE** – Creates an effect on the music similar to the sound of an airplane taking off. As the wheel is moved the effect is created. If the wheel stops moving the effect will return to the beginning on it’s own. If the effect is in “Hold” the effect will stay at the current sound until the effect is released by the button or hold removed.



**SONAR** – Creates a metallic hollow effect to create a slightly different sound. The wheel works a similar way as Phaze.



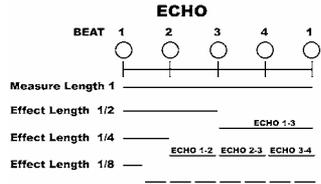
**SLIDE** – Smoothly changes the key of the music. In the key display you will see the key change as the wheel is moved.





**ECHO** – this effect adds echo to the music also based upon the Beatkeeper™. The start parameter is no echo “0”. If you move the wheel to the right the numbers will go 1-64, 1-32, 1-16, 1-8, 1-4, 1-2, and 1-1 indicating the amount of echo added to the unit. If you move the wheel to the left you will create negative or preceding echo. This essentially plays the music before you get to it. At 1-1 the music will echo 1 full measure or 4 beats of music. If you turn off the effect then back on again it remembers the last set parameter.

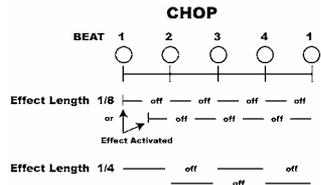
*(Note: a preceding echo requires the unit to play from buffer memory. If the buffer becomes unavailable the effect will stop until buffer is regained.)*



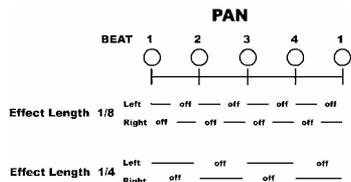
**A.D. (Artificial-Dissemination)** – Reduces the bit rate of the music creating increasing distortion with intensity.



**CHOP** – This effect works best when the Beatkeeper™ is properly aligned. Chop breaks up the music by turning the volume on and off based upon the BPM of the Beatkeeper™. First activation of the effect plays 1/8th note or half of every beat. In the BPM display will indicate an 1-8 which means one measure (4 beats) of music has been broken into 8 parts. Rotation of the wheel to the left decreases the parts to 1-4, 1-2, and 1-1. At 1-1 the music plays for 4 beats then is silent. Rotating to the right breaks up the music into 1-16, 1-32, 1-64, then smaller increments making for another interesting effect. When the effect is first activated the music will play the section then turn off for a section. This is important because you can reverse the sections that are off and on by activating the effect in the other section. If you deactivate the effect then turn it on again it remembers the last set parameter.

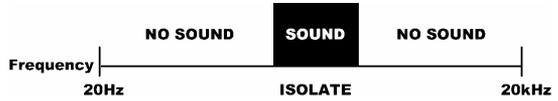


**PAN** - This effect also works best when the Beatkeeper™ is properly aligned. Auto-pan alternates playing right and left audio based upon the BPM of the Beatkeeper™. First activation of the effect plays alternates on 1/8th notes or half of every beat. In the BPM display will indicate an 1-8 which means one measure (4 beats) of music has been broken into 8 parts. Rotation of the wheel to the left decreases the parts to 1-4, 1-2, and 1-1. Rotating to the right makes faster changes of 1-16, 1-32, 1-64, then smaller increments making for another interesting effect. If you deactivate the effect then turn it on again it remembers the last set parameter.





**Isolate** - This isolation filter lets you play only a specific frequency of the music. Rotation of the wheel moves the frequency played through the audio spectrum. If you turn off the effect then on again it remembers the last set parameter.



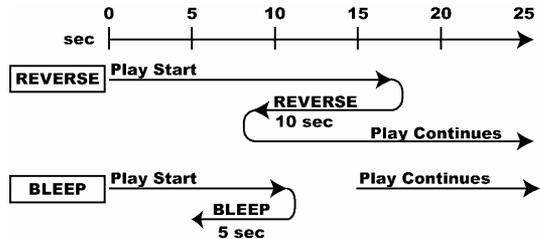
**KILL**- This elimination filter lets you play all but a specified frequency. Rotation of the wheel moves the frequency not played through the audio spectrum. If you turn off the effect then on again it remembers the last set parameter.



**Reverse**- Plays the music backwards. When the effect is activated the music will play backwards until it is released. There is no limit to the amount of time you can reverse.



**Bleep**- The effect activates as soon as the button is pressed. It is a temporary (forward) reverse function for “bleeping” dirty lyrics or creating interesting effects. By pressing the button the music plays backwards from buffer until released or until the buffer runs out. When the button is release, or the buffer runs out, the audio plays forward from the point where the music would have been if the button was never pressed. For example, is the effect is activated for 5 seconds at 10 seconds into a song, forward play will resume at 15 seconds. The buffer time for this operation is variable depending upon the number of loops set and anti-shock buffer available.





This button provides several programmable functions depending upon the combination of buttons used.



**Track Sequence Programming** - Depress **"PROG"** while the unit is stopped and **"PROGRAM"** will light. Select each track to be programmed then press **"PROG"** between selections. Press **"PLAY/STUTTER"** to start the track sequence program playing. To exit and erase program hold **"PROG"** for more than 2 seconds while the unit is stopped, open the disc tray, or turn off the power.

The following functions will work by pressing **"PROG"** followed by appropriate function while still holding the program button:



**Effect Options** - pressing program with an effect button will offer alternative options to that effect. In the case of the **"SCRATCH"** effect the display will toggle between Scratch 1,2,3, and 4. Not all effects offer options. More information on these options is available in the effects section of this manual.



**End of track dead space elimination** – this will give an option for eliminating the dead space at the end of tracks. The unit already automatically removes dead space at the beginning of tracks. End of track dead space elimination is useful if you are playing a CD continuously and want to eliminate all the gaps between songs. The display will indicate **"SPRCE"** when the function is set to eliminate space and indicates **"- SPRCE"** when the unit is left to leave the natural space between tracks. *This setting will be remembered at power down.*



**Cueing Style Selection** – this will alternate the jog wheel cue function from a smooth "scratch" sound to the traditional "stutter" sound modes during cue operations. The display will indicate **"SCRATCH"** when the "scratch" style is active. This indication will go away when the style of cue is stutter. *This setting will be remembered at power down.*



**Brake Speed** – this allows you to adjust the speed of **"PAUSE"**, or braking. Press **"PAUSE"** then rotate the wheel until the desired seconds of startup are shown. Pressing **"PAUSE"** twice will toggle startup from **"OFF"** to the desired seconds.



**Startup Speed** – this allows you to adjust the startup speed of initial play. Press **"PLAY/STUTTER"** then rotate the wheel until the desired seconds of startup are shown. The **"STUTTER"** function will not be affected. Pressing **"PLAY/STUTTER"** twice will toggle startup between **"OFF"** and the desired seconds.



**Relay time** – this gives options for the amount of time used for relaying between tracks on two connected units. Options will appear to relay immediately after the track (0), with time added of 1, 2, or 3 seconds (1,2,3), or a reduction of 1,2, or 3 seconds (-1,-2,-3). By reducing time the attached CD player will start playing before the end of a track, creating an automatic segue. *This feature will also work in track sequence program mode; however, if the units are also in SINGLE mode the same number of tracks programmed should be the same. Play will stop at the end of the last track. This setting will be remembered at power down.*



**Remote Start** – The sets the mode for the “remote” jack on the rear of the unit. Details can be found in the relay and remote start sections of this manual.



**Automatic door close protection** – this option automatically closes the door at the specified time. The display will indicate 30 seconds, 60 seconds, 120 seconds, and (no) for no auto close. *This setting will be remembered at power down.*



**Smart Looping** – When active the display will indicate “S-LOOP” and all looping and stuttering will follow the beat of the music based upon the Beatkeeper information.



**Sleep Mode** – The unit will automatically enter sleep mode after 15 minutes of inactivity. In this mode the unit will still start instantly from buffer, however, the laser will turn off to extend it’s life. If this feature is undesirable, then it can be turned off. *This setting will be remembered at power down.*

## RELAY PLAY

This mode will be operational only when 2 units are connected via a relay cable.



1. Insert CDs into both of the units.
2. We recommend putting both sides in SINGLE play mode while learning this function.
3. Press the “RELAY” button on one unit to activate.
4. Press play on the first unit. When that unit has finished play it will send a signal to the second unit to start play. You will see the second unit start play and the first unit pause and cue to the beginning of the next track. When unit 2 has completed play unit 1 will start.

*Note: The play signal is sent at the end of specified play. If the unit is in SINGLE mode the play signal will start the second unit at the end of the track. If the unit is in CONTINUOUS mode the play signal will be sent at the end of the full CD. Two CDs will play continuously, alternating from unit to unit.*

## FADER START

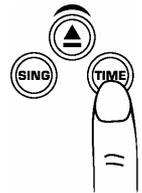


Fader Start is achievable by attaching your CD player to a similarly equipped DJ mixer and setting the rear panel selection switch to "mixer" mode.

1. Connect cables between the CD player and your DJ mixer.
2. Press the button or switch on your mixer into fader start mode to activate the fader start capability.
3. Set the CD player to fader start by hold down "**PROG**" followed by tapping "**TIME**" until the display says **FADER**.
4. Typically if you move the crossfader toward the active channel, the attached CD player will activate. When it is moved away the unit will cue or pause depending upon CD player setting.

To select start/stop mode hold the time button for 2 seconds.

- If the display shows **PAUSE** then the CD will pause when the crossfader is moved away.
- If the display shows **CUE** then the CD will CUE when the crossfader is moved away.



## REMOTE SWITCH START

Remote switch start is achievable by attaching your CD player to a switch like a foot switch found in most music shops. Foot switch connector plugs are often ¼" and an adapter to 1/8" will be needed for connection.

1. Connect the remote switch to your CD player.
2. Select the type of foot switch you will use. There are two types of footswitches that will work with this connector. The first is a typical, ON-OFF pushbutton switch and are generally used for switching channels on guitar amps. Set the CD player to a ON-OFF switch by hold down "**PROG**" followed by tapping "**TIME**" until the display says **ON-OFF**. The second switch is a momentary footswitch and is usually used for keyboard sustain pedals. Set the CD player to a ON-ON switch by hold down "**PROG**" followed by tapping "**TIME**" until the display says **ON-ON**. If you are unsure of the style of switch you have, try each position until it works as desired.
3. Typically if you press the switch once, the attached CD player will activate. When it is pressed again the unit will cue or pause depending upon CD player setting.

*Note: You can also use a momentary switch in the ON-OFF switch position. In this case the unit will only play while the switch is depressed. When the button is release it will either cue or pause depending upon mode.*

## UPGRADING YOUR UNIT

This unit contains the latest software available at the time of manufacturing. Our engineering staff will be working hard to constantly improve and offer additional features in the future. The unit software has been designed to be easily updateable by you through supplied CD updates from Numark. To obtain the latest software version contact your local Numark Dealer or visit us on the web at <http://www.numark.com>.

In order to check your unit's software version press "PROG" followed by the "+" button. Three sets of numbers will appear. 000 00 00 00. Your units function software will be in the "seconds" set of numbers

*For example if R1 05 34 09 appears in the display you have version 34, revision 1 of the unit code*

### Audio CD Programming Procedure

#### Downloading

1. Go to [www.numark.com](http://www.numark.com) and download the latest version of the unit software.
2. Load update wave file onto a computer with CD Drive capable of burning Audio CDs.
3. If zipped, using an unzip program on your computer, unzip the file.

#### Burning

4. Open up your CD burning software to burn an AUDIO CD.
5. Add the software wave file to the audio program contents. It is advisable to burn the CD at the slowest speed possible to ensure an accurate burn. If you have a disc-at-once option it should be used.
6. You should set the program to finalize the CD.
7. Burn the disc.

#### Programming

8. Power up your CD player with no CD inside.
9. Place in the CD in the tray and close the drawer with the OPEN/CLOSE button. Do not close the drawer by pressing PLAY.
10. Wait until the display indicates time remaining.
11. Press the Play button. In the effect parameter display you will see the word "test" as the time counts down. The unit will then go through the cycle again and indicate "busy" while the unit is programmed.
12. At completion of the procedure the CD should eject automatically and the display will indicate "good".

#### Completion

13. Remove the CD and power the unit off for 3 seconds and then on again.
14. Recalibrate the unit following the "calibration procedure" included with the software update.

**Note:** *CD burning is dependant upon both the recording equipment and the CD players ability to read the burned information. On rare occasions the unit may have difficulty reading the burned CD. If the CD is ejected during the test procedure, remove the CD and try again. If it falls again try re-burning the CD. If this doesn't work, contact Numark service at 401-658-3131 or [techsupport@numark.com](mailto:techsupport@numark.com) for a free upgrade CD.*