## Mini Notation

| Concept | Syntax | Example |
|---|---|---|
| Sequence | space | sound("bd bd sn hh") |
| Sample Number | :x | sound("hh:0 hh:1 hh:2 hh:3") |
| Rests | ~ | sound("metal ~ jazz jazz:1") |
| Sub-Sequence | [] | sound("bd wind [metal jazz] hh") |
| Sub-Sub-Sequence | [[]] | sound("bd [metal [jazz sn]]") |
| Speed Up | * | sound("bd sn*2 cp*3") |
| Slow Down | / | note("[c a f e]/2") |
| Parallel | , | sound("bd*2, hh*2 [hh oh]") |
| Alternate | <> | note("c <e g>") |
| Elongate | @ | note("c@3 e") |
| Replicate | ! | note("c!3 e") |

## Sounds

| Name | Description | Example |
|---|---|---|
| sound | plays the sound of the given name | sound("bd sd") |
| bank | selects the sound bank | sound("bd sd").bank("RolandTR909") |
| n | select sample number | n("0 1 4 2").sound("jazz") |

## Notes

| Name | Description | Example |
|---|---|---|
| note | set pitch as number or letter | note("b g e c").sound("piano") |
| n + scale | set note in scale | n("6 4 2 0").scale("C:minor").sound("piano") |
| $: (stack) | play patterns in parallel | $: s("bd sd") |

## Audio Effects

| Name | Example |
|---|---|
| lpf | note("c2 c3").s("sawtooth").lpf("<400 2000>") |
| vowel | note("c3 eb3 g3").s("sawtooth").vowel("<a e i o>") |
| gain | s("hh*8").gain("[.25 1]*2") |
| delay | s("bd rim").delay(.5) |
| room | s("bd rim").room(.5) |
| pan | s("bd rim").pan("0 1") |
| speed | s("bd rim").speed("<1 2 -1 -2>") |
| range | s("hh*16").lpf(saw.range(200,4000)) |

## Pattern Effects

| Name | Description | Example |
|---|---|---|
| setcpm | sets the tempo in cycles per minute | setcpm(90) /*default: 30 (120/4 bpm)*/ |
| fast | speed up | sound("bd sd").fast(2) |
| slow | speed down | sound("bd sd").slow(2) |
| rev | reverse | n("0 2 4 6").scale("C:minor").rev() |
| jux | split left/right, modify right | n("0 2 4 6").scale("C:minor").jux(rev) |
| add | add numbers / notes | n("0 2 4 6".add("<0 1 2 1>")).scale("C:minor") |
| ply | speed up each event n times | s("bd sd").ply("<1 2 3>") |
| off | copy, shift time & modify | s("bd sd, hh*4").off(1/8, x=>x.speed(2)) |

## Drumkit

| Abbreviation | Drum |
|---|---|
| bd | Bass drum, Kick drum |
| sd | Snare drum |
| rim | Rimshot |
| cp | Clap |
| hh | Closed hi-hat |
| oh | Open hi-hat |
| cr | Crash |
| rd | Ride |
| ht | High tom |
| mt | Medium tom |
| lt | Low tom |
| sh | Shakers (and maracas, cabasas, etc) |
| cb | Cowbell |
| tb | Tambourine |
| perc | Other percussions |
| misc | Miscellaneous samples |
| fx | Effects |