

| Ensemble# | Instrument Name | Note (MIDI=C3) | Note (number) | Hub# | Voltage | Arduino Pin | NOTES |
|-----------|-----------------------|----------------|---------------|------|------------------|-------------|---|
| 1 | Taça 1 | C-2 | 0 | A1 | 5V | 7 | |
| 1 | Taça 2 | C#-2 | 1 | A2 | 5V | 8 | |
| 1 | Taça 3 | D-2 | 2 | A3 | 5V | 9 | |
| 1 | Taça 4 | D#-2 | 3 | A4 | 5V | 10 | |
| 1 | Medalha 1 | E-2 | 4 | B1 | 12V | 4 | |
| 1 | Medalha 2 | F-2 | 5 | B2 | 12V | 5 | |
| 1 | Medalha 3 | F#-2 | 6 | B3 | 12V | 6 | |
| 1 | Shaker 1 | G-2 | 7 | C1 | 12V | 44 | |
| 1 | Shaker 2 | G#-2 | 8 | C2 | 12V | 2 | |
| 1 | Shaker 3 | A-2 | 9 | C3 | 12V | 3 | |
| 1 | Woodblock 1 | A#-2 | 10 | D1 | 12V | 46 | |
| 1 | Woodblock 2 | B-2 | 11 | D2 | 12V | 45 | |
| 2 | Tubo Metal 1 | C-1 | 12 | A1 | 5V | 10 | |
| 2 | Tubo Metal 2 | C#-1 | 13 | A2 | 5V | 11 | |
| 2 | Tubo Metal 3 | D-1 | 14 | A3 | 5V | 12 | |
| 2 | Tubo Metal 4 | D#-1 | 15 | A4 | 5V | 13 | |
| 2 | Vara 1 | E-1 | 16 | B1 | 5V | 6 | |
| 2 | Vara 2 | F-1 | 17 | B2 | 5V | 7 | |
| 2 | Vara 3 | F#-1 | 18 | B3 | 5V | 8 | |
| 2 | Vara 4 | G-1 | 19 | B4 | 5V | 9 | |
| 2 | Lamina 1 | G#-1 | 20 | C1 | 12V | 2 | |
| 2 | Lamina 2 | A-1 | 21 | C2 | 12V | 3 | |
| 2 | Lamina 3 | A#-1 | 22 | C3 | 12V | 4 | |
| 2 | Lamina 4 | B-1 | 23 | C4 | 12V | 5 | |
| 2 | Pele grave | C0 | 24 | D1 | 12V | 46 | |
| 2 | Pele aguda | C#0 | 25 | D2 | 12V | 45 | |
| 2 | Gong | D0 | 26 | D3 | 12V | 44 | |
| 3 | Maquina Escrever | D#0 | 27 | A1 | 5V | 6 | |
| 3 | --- NO SAMPLE --- | | 1 (cc) | A2 | 5V (servo) | 7 | Telephone RIGHT |
| 3 | --- NO SAMPLE --- | | 2 (cc) | A3 | 5V (servo) | 8 | Telephone LEFT |
| 3 | Walkman | E0 | 28 | B1 | 5V | 4 | |
| 3 | Walkman | F0 | 29 | B2 | --- | 5 | Note 24 triggers both walkmans at the same time |
| 3 | Gira Discos serra | F#0 | 30 | C1 | 5V | 2 | |
| 3 | Gira Discos iman | G0 | 31 | C2 | 5V | 3 | |
| 4 | Mecano 1 | G#0 | 32 | A1 | 5V | 10 | |
| 4 | Mecano 2 | A0 | 33 | A2 | 5V | 11 | |
| 4 | Mecano 3 | A#0 | 34 | A3 | 5V | 12 | |
| 4 | Canil 1 | B0 | 35 | B1 | 5V | 6 | |
| 4 | Canil 2 | C1 | 36 | B2 | 5V | 7 | |
| 4 | Canil 3 | C#1 | 37 | B3 | 5V | 8 | |
| 4 | Canil 4 | D1 | 38 | B4 | 5V | 9 | |
| 4 | Mola 1 | D#1 | 39 | C1 | 12V | 2 | |
| 4 | Mola 2 | E1 | 40 | C2 | 12V | 3 | |
| 4 | Mola 3 | F1 | 41 | C3 | 12V | 4 | |
| 4 | Mola 4 | F#1 | 42 | C4 | 12V | 5 | |
| 5 | Vincent Vinil | G1 | 43 | A1 | 5V | 10 | |
| 5 | Vincent cordas random | G#1 | 44 | B1 | 5V | 9 | |
| 5 | Vincent corda tubo | A1 | 45 | C1 | 5V (servo) | 6 | |
| 5 | --- NO SAMPLE --- | A#1 | 46 | C2 | 5V (servo) | 7 | |
| 5 | --- NO SAMPLE --- | B1 | 47 | C3 | 5V (servo) | 8 | |
| 5 | Luzes natal | C2 | 48 | D1 | 5V (relay) | 2 | |
| 5 | Luzes normais | C#2 | 49 | D2 | 5V (relay) | 3 | |
| 5 | Luzes fluorescentes 1 | D2 | 50 | D3 | 5V (relay) | 4 | |
| 5 | Luzes fluorescentes 2 | D#2 | 51 | D4 | 5V (relay) | 5 | |
| 6 | Pendulo random 1 | E2 | 52 | A1 | 5V (servo) | 6 | |
| 6 | Pendulo random 2 | F2 | 53 | A2 | 5V (servo) | 7 | |
| 6 | Luzes natal 2 | F#2 | 54 | B1 | 5V (relay) | 2 | |
| 6 | Luzes normais 2 | G2 | 55 | B2 | 5V (relay) | 3 | |
| 6 | Luzes fluorescente 3 | G#2 | 56 | B3 | 5V (relay) | 4 | |
| 6 | Luzes fluorescente 4 | A2 | 57 | B4 | 5V (relay) | 5 | |
| 7 | Corda 1 f# | A#2 | 58 | B1 | 12V | 5 | |
| 7 | Corda 1 f# motor | B2 | 59 | A1 | 5V | 9 | |
| 7 | Corda 2 g | C3 | 60 | B2 | 12V | 6 | |
| 7 | Corda 2 g motor | C#3 | 61 | A2 | 5V | 10 | |
| 7 | Corda 3 a | D3 | 62 | B3 | 12V | 7 | |
| 7 | Corda 4 d | D#3 | 63 | B4 | 12V | 8 | |
| 7 | Corda 4 d servo arco | E3 | 64 | D1 | 5V (servo uneg) | 46 | |
| 7 | Corda 5 b servo arco | F3 | 65 | D2 | 5V (servo unreg) | 45 | |
| 7 | Corda 5 b | F#3 | 66 | [C1] | --- | [44] | unusable because of Servos on pins 45 & 46 |
| 7 | Corda 6 g# | G3 | 67 | C2 | 12V | 2 | |
| 7 | Corda 7 g# | G#3 | 68 | C3 | 12V | 3 | |
| 7 | Corda 8 f | A3 | 69 | C4 | 12V | 4 | |
| 7 | Cordas random servo | A#3 | 70 | ---- | --- | --- | there was no servo for this!!! |

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| 8 | Prisão 1 | B3 | 71 | A1 | 5V | 8 | |
| 8 | Prisão 2 | C4 | 72 | B1 | 12V | 5 | |
| 8 | Prisão 3 | C#4 | 73 | A2 | 5V | 9 | |
| 8 | Prisão 4 | D4 | 74 | C3 | 5V (relay) | 44 | |
| 8 | Prisão 5 | D#4 | 75 | A3 | 5V | 10 | |
| 8 | Prisão 6 | E4 | 76 | B2 | 12V | 6 | |
| 8 | Prisão 7 | F4 | 77 | C1 | 5V (relay) | 46 | |
| 8 | Prisão 8 | F#4 | 78 | C2 | 5V (relay) | 45 | |
| 8 | Prisão 9 | G4 | 79 | B3 | 12V | 7 | |
| 9 | Tubo 1 | G#4 | 80 | A1 | 12V | 5 | |
| 9 | Tubo 2 | A4 | 81 | A2 | 12V | 6 | |
| 9 | Tubo 3 | A#4 | 82 | A3 | 12V | 7 | |
| 9 | Tubo 4 | B4 | 83 | A4 | 12V | 8 | |
| 9 | Tubo 5 | C5 | 84 | B1 | 12V | 2 | |
| 9 | Tubo 6 | C#5 | 85 | B2 | 12V | 3 | |
| 9 | Bolas no TomTom | D5 | 86 | B3 | 12V | 4 | |