Pyro System Programming Notes

Programming a show requires entry of data into the access database. The database is named ShowDatabase.accdb and is located at C:\PyroController.

The show is described in two tables.

The Show Table defines the shows that are defined in the database.

The ShowEvents table defines the detail timing records for the shows.

For each show, there is a single entry in the show table and 1..n entries in the ShowEvents table.

A show is described by a Cue event and 1 or more timed events that are triggered by the cue.

In the following show definition, Cue 1 triggers the show. Note: Cue 1 is specified in each module that needs to be triggered by Cue 1. In the following show, Cue 1 is specified in 3 modules, 201, 302 and 501.

Triggering Cue 1, in this show definition, causes ports 1-8 of modules 201, 302 and 501 to be fired in sequence at 100 Ms spacing.

In coding the chaining within the modules, the sequence numbers always begin with 1 and procede to the highest sequence in the chain. In the following show, there are 8 firing events in each modules chain so the seq numbers are 1-8. Note the Next Seq field defines which sequence is next in the firing sequence.

When secifying chained events within a module, the events must be chained in ascending time order.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Key** | **ShowID** | **Module** | **PortNumber** | **Cue** | **Time** | **Seq ID** | **Next Seq** |
| 100 | 1 | 201 | 0 | 1 | 0 | 1 | 2 |
| 101 | 1 | 201 | 0 | 0 | 100 | 2 | 3 |
| 102 | 1 | 201 | 0 | 0 | 200 | 3 | 4 |
| 103 | 1 | 201 | 0 | 0 | 300 | 4 | 5 |
| 104 | 1 | 201 | 0 | 0 | 400 | 5 | 6 |
| 105 | 1 | 201 | 0 | 0 | 500 | 6 | 7 |
| 106 | 1 | 201 | 0 | 0 | 600 | 7 | 8 |
| 107 | 1 | 201 | 0 | 0 | 700 | 8 | 0 |
| 108 | 1 | 302 | 0 | 1 | 800 | 1 | 2 |
| 109 | 1 | 302 | 0 | 0 | 900 | 2 | 3 |
| 110 | 1 | 302 | 0 | 0 | 1000 | 3 | 4 |
| 111 | 1 | 302 | 0 | 0 | 1100 | 4 | 5 |
| 112 | 1 | 302 | 0 | 0 | 1200 | 5 | 6 |
| 113 | 1 | 302 | 0 | 0 | 1300 | 6 | 7 |
| 114 | 1 | 302 | 0 | 0 | 1400 | 7 | 8 |
| 115 | 1 | 302 | 0 | 0 | 1500 | 8 | 0 |
| 116 | 1 | 501 | 0 | 1 | 1600 | 1 | 2 |
| 117 | 1 | 501 | 0 | 0 | 1700 | 2 | 3 |
| 118 | 1 | 501 | 0 | 0 | 1800 | 3 | 4 |
| 119 | 1 | 501 | 0 | 0 | 1900 | 4 | 5 |
| 120 | 1 | 501 | 0 | 0 | 2000 | 5 | 6 |
| 121 | 1 | 501 | 0 | 0 | 2100 | 6 | 7 |
| 122 | 1 | 501 | 0 | 0 | 2200 | 7 | 8 |
| 123 | 1 | 501 | 0 | 0 | 2300 | 8 | 0 |