**RS232 control Codes for WolfPack Mini Manager Series**

**Baud rate: 115200**

**data bit: 8**

**Stop bit: 1**

**Check bit: None**

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| **Type** | **Control command** | **Function description**  |
| **Command** | [x1]All. | Switch [x1] input to all the outputs |
| All[1]. | Switch all the channels to be one to one. Eg.1->1，2->2，3->3…… |
| [x1]X[x2]. | Switch [x1] input to [x2] output |
| [x1]X[x2]&[x3]&[x4]. | Switch [x1] input to [x2], [x3], [x4] |
| Save[Y]. | Save current status to [Y], [Y] can be number 1-9  |
| Recall[Y]. | Recall the saved [Y] scene |
| BeepON. | Buzzer on |
| BeepOFF. | Buzzer off |

**Note:**

1. [x1], [x2], [x3], [x4] are the inputs and outputs and normally depend on the size of the matrix. If the matrix is a 10x10, then the effective range is from 1 to 10. You can’t send these kinds of words ‘[‘And’]’

2. Every command needs to add the words ‘-’

3. The characters can be capital and small letters

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| **9x9 Card Cage(18x18, 36x36, 80x80, 160x160 also can use )** |
|
| Baud Rate 1/ COM 1 | 115200 |  |
| Baud Rate 2/ COM 2 | 9600 |  |
| Data bits | 8 |  |
| Stop Bits | 1 |  |
| Check Bits | Odd |  |
| TCP/IP Port: | 5000 |  |
| UDP Port | 4000 |  |
|  |  |  |
| **Function description**  | **ASCII** | **HEX** |
| Input 1 to All 9 Outputs  | 1All. | 31414c4c2e |
| Input 2 to All 9 Outputs  | 2All. | 32414c4c2e |
| Input 3 to All 9 Outputs  | 3All. | 33414c4c2e |
| Input 4 to All 9 Outputs  | 4All. | 34414c4c2e |
| Input 5 to All 9 Outputs  | 5All. | 35414c4c2e |
| Input 6 to All 9 Outputs  | 6All. | 36414c4c2e |
| Input 7 to All 9 Outputs  | 7All. | 37414c4c2e |
| Input 8 to All 9 Outputs  | 8All. | 38414c4c2e |
| Input 9 to All 9 Outputs  | 9All. | 39414c4c2e |
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|  |  |  |
| Check input 1 switching status | 1?. | 313f2e |
| Check input 2 switching status | 2?. | 323f2e |
| Check input 3 switching status | 3?. | 333f2e |
| Check input 4 switching status | 4?. | 343f2e |
| Check input 5 switching status | 5?. | 353f2e |
| Check input 6 switching status | 6?. | 363f2e |
| Check input 7 switching status | 7?. | 373f2e |
| Check input 8 switching status | 8?. | 383f2e |
| Check input 9 switching status | 9?. | 393f2e |
|  |  |  |
| Switch all the channels to be one to one1->1，2->2，3->3…… | All1. | 414c4c312e |
|  |  |  |
| Input 1 to Output 1, output 2, output 3, output 4  | 1X2&3&4. | 315832263326342e |
|  |  |  |
| Save current switching status to Preset/Scene 1 | Save1. | 53617665312e |
| Save current switching status to Preset/Scene 2 | Save2. | 53617665322e |
| Save current switching status to Preset/Scene 3 | Save3. | 53617665332e |
|  |  |  |
| Recall Preset/Scene 1 | Recall1. | 526563616c6c312e |
| Recall Preset/Scene 2 | Recall2. | 526563616c6c322e |
| Recall Preset/Scene 3 | Recall3. | 526563616c6c332e |
| Recall Preset/Scene 4 | Recall4. | 526563616c6c342e |
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| Input 1 to Output 1  | 1X1. | 3158312e |
| Input 1 to Output 2  | 1X2. | 3158322e |
| Input 1 to Output 3  | 1X3. | 3158332e |
| Input 1 to Output 4  | 1X4. | 3158342e |
| Input 1 to Output 5  | 1X5. | 3158352e |
| Input 1 to Output 6  | 1X6. | 3158362e |
| Input 1 to Output 7  | 1X7. | 3158372e |
| Input 1 to Output 8  | 1X8. | 3158382e |
| Input 1 to Output 9  | 1X9. | 3158392e |
|  |  |  |
| Input 2 to Output 1  | 2X1. | 3258312e |
| Input 2 to Output 2  | 2X2. | 3258322e |
| Input 2 to Output 3  | 2X3. | 3258332e |
| Input 2 to Output 4  | 2X4. | 3258342e |
| Input 2 to Output 5  | 2X5. | 3258352e |
| Input 2 to Output 6  | 2X6. | 3258362e |
| Input 2 to Output 7  | 2X7. | 3258372e |
| Input 2 to Output 8  | 2X8. | 3258382e |
| Input 2 to Output 9  | 2X9. | 3258392e |
|  |  |  |
| Input 3 to Output 1  | 3X1. | 3358312e |
| Input 3 to Output 2  | 3X2. | 3358322e |
| Input 3 to Output 3  | 3X3. | 3358332e |
| Input 3 to Output 4  | 3X4. | 3358342e |
| Input 3 to Output 5  | 3X5. | 3358352e |
| Input 3 to Output 6  | 3X6. | 3358362e |
| Input 3 to Output 7  | 3X7. | 3358372e |
| Input 3 to Output 8  | 3X8. | 3358382e |
| Input 3 to Output 9  | 3X9. | 3358392e |
|  |  |  |
| Input 4 to Output 1  | 4X1. | 3458312e |
| Input 4 to Output 2  | 4X2. | 3458322e |
| Input 4 to Output 3  | 4X3. | 3458332e |
| Input 4 to Output 4  | 4X4. | 3458342e |
| Input 4 to Output 5  | 4X5. | 3458352e |
| Input 4 to Output 6  | 4X6. | 3458362e |
| Input 4 to Output 7  | 4X7. | 3458372e |
| Input 4 to Output 8  | 4X8. | 3458382e |
| Input 4 to Output 9  | 4X9. | 3458392e |
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| Input 5 to Output 1 | 5X1. | 3558312e |
| Input 5 to Output 2 | 5X2. | 3558322e |
| Input 5 to Output 3 | 5X3. | 3558332e |
| Input 5 to Output 4 | 5X4. | 3558342e |
| Input 5 to Output 5 | 5X5. | 3558352e |
| Input 5 to Output 6 | 5X6. | 3558362e |
| Input 5 to Output 7 | 5X7. | 3558372e |
| Input 5 to Output 8 | 5X8. | 3558382e |
| Input 5 to Output 9 | 5X9. | 3558392e |
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| Input 6 to Output 1 | 6X1. | 3658312e |
| Input 6 to Output 2 | 6X2. | 3658322e |
| Input 6 to Output 3 | 6X3. | 3658332e |
| Input 6 to Output 4 | 6X4. | 3658342e |
| Input 6 to Output 5 | 6X5. | 3658352e |
| Input 6 to Output 6 | 6X6. | 3658362e |
| Input 6 to Output 7 | 6X7. | 3658372e |
| Input 6 to Output 8 | 6X8. | 3658382e |
| Input 6 to Output 9 | 6X9. | 3658392e |
|  |  |  |
| Input 7 to Output 1 | 7X1. | 3758312e |
| Input 7 to Output 2 | 7X2. | 3758322e |
| Input 7 to Output 3 | 7X3. | 3758332e |
| Input 7 to Output 4 | 7X4. | 3758342e |
| Input 7 to Output 5 | 7X5. | 3758352e |
| Input 7 to Output 6 | 7X6. | 3758362e |
| Input 7 to Output 7 | 7X7. | 3758372e |
| Input 7 to Output 8 | 7X8. | 3758382e |
| Input 7 to Output 9 | 7X9. | 3758392e |
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| Input 8 to Output 1 | 8X1. | 3858312e |
| Input 8 to Output 2 | 8X2. | 3858322e |
| Input 8 to Output 3 | 8X3. | 3858332e |
| Input 8 to Output 4 | 8X4. | 3858342e |
| Input 8 to Output 5 | 8X5. | 3858352e |
| Input 8 to Output 6 | 8X6. | 3858362e |
| Input 8 to Output 7 | 8X7. | 3858372e |
| Input 8 to Output 8 | 8X8. | 3858382e |
| Input 8 to Output 9 | 8X9. | 3858392e |
|  |  |  |
| Input 9 to Output 1 | 9X1. | 3958312e |
| Input 9 to Output 2 | 9X2. | 3958322e |
| Input 9 to Output 3 | 9X3. | 3958332e |
| Input 9 to Output 4 | 9X4. | 3958342e |
| Input 9 to Output 5 | 9X5. | 3958352e |
| Input 9 to Output 6 | 9X6. | 3958362e |
| Input 9 to Output 7 | 9X7. | 3958372e |
| Input 9 to Output 8 | 9X8. | 3958382e |
| Input 9 to Output 9 | 9X9. | 3958392e |