Specification For Programmer GD-10P

GD-10P is a programmer used to set programmable DiSEqC switch GD-10A to one of eight modes:

1. DiSEqC protocol 1.0 or 2.0

2. DiSEqC protocol 1.1 or 2.1(cascaded or uncommitted switch)

3. DiSEqC protocol 1.0 or 2.0 and mini A, mini B

4. Free DiSEqC mode

5. DiSEqC protocol 1.1 or 2.1(uncommitted switch)

6. DiSEqC protocol 1.2 or 2.2

7. Auto mode DiSEqC protocol 1.1or 2.1 (cascaded or uncommitted switch) or DiSEqC protocol 1.2 or 2.2(positioner commands)

8. Auto mode. DiSEqC protocol 1.0 or 2.0 (first 4 inputs), 1.1 or 2.1 (only uncommitted switch) or DiSEqC protocol 1.2 or 2.2 (positioner commands)

Switch GD-10A remember setup mode in it's EEPROM memory. GD-10P is a generator of special DiSEqC commands (six different special DiSEqC commands). Programmer's "F" type socket must be connected to programmable switch GD-10A (GD-10A can be connected in system with converters, cables), power supply to GD-10P can be from satellite receiver (receiver's input connected to "F" type socket"REC") or from external source (+10-20V, 100-400mA, connected to DC1.8 socket).

When power applied to GD-10P, yellow LED "Power" is on. Then press one of six "1"-"6"keys. When GD-10A programmed successfully, after less then one second, GD-10P's green LED "OK" and one of key's "1"-"6" red LED (which was pressed) must be on. If green LED "OK" isn't on, or red LED "Error" is on, GD-10A isn't programmed successfully, user must repeat programming or find out mistake in connection.

Because GD-10P has only six different keys, mode 7 or 8 is sent to switch by press sequence of three keys (2,5,6) or (1,5,6): press "2" or "1" (must be on green LED "OK"), press "5"(must be on red LED "5"and no "OK"), press "6" (must be on red LED "6"and no replay"OK"). Pauses between presses must be less then one second. After pressing sequence 2, 5, 6 or 1, 5, 6 no red or green LED is left on.

Programmer GD-10P passed all DiSEqC and 22KHz commands from receiver to LNB and (950-2300) MHz signal from LNB to receiver.