

Thank you for purchasing your new Airtronics Synthesizer product. This manual will cover both 27 and 75 MHz M8 synthesized modules as well as both 27 and 75 MHz synthesized receivers. Before installing and using your new synthesized product, please read this manual carefully first. With your new synthesizer product, you now have the ability to change channel frequencies with just a turn of a dial. This makes channel frequency changing fast and easy. No more having to remove and replacing crystals.

PLEASE NOTE: Before you turn on the transmitter and receiver power switch, make certain that the proper channel frequency is selected on both the transmitter and receiver. Check to make sure that the channel frequency you are going to use is not being used by someone else. Turning on your transmitter when it is on the same channel frequency as someone else will cause them to lose control and could cause damage. Always make sure it is safe to use.

M8 Synthesized Modules 27 and 75 MHz

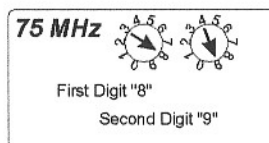
If your M8 has a standard crystal type module, you can remove it by compressing the two tabs located on both sides of the module and gently pull the module out.

Before installing the new synthesized module, please notice the long pin connectors located on the right side of the module cavity.

Align the pins with the holes in the synthesized module and gently insert the module in place. Make sure that both side tabs are locked in place.

The left dial on the synthesized module is used for the first digit of the channel number and the right is for the second digit. See drawing below for example.

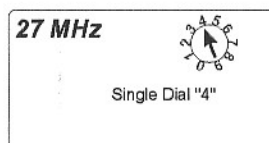
NOTE: Transmitter power must be in the off position when changing channels.



Setting for channel 89

First Digit use only: 6,7,8,9
Second Digit use: 0,1,2,3,4,5,6,7,8,9

See channel frequency chart for available 75 MHz channels.



Setting for channel 4

Single Dial use only: 1,2,3,4,5,6

See channel frequency chart for available 27 MHz channels.

After selecting a channel frequency, make sure your receiver is on the same channel frequency before turning on either the transmitter or receiver. If you are using a crystal type receiver, adjust the module to the receiver's channel number. The synthesizer module will work with other Airtronics FM crystal type receivers as well. Just make sure the channel frequencies match on both transmitter and receiver.

Synthesized Receivers

27 and 75 MHz

Installing your synthesized receiver.

Make sure you install your synthesized receiver as far away as possible from ESC's, electric motors and use double sided foam tape to secure in place. DO NOT hard mount the receiver to the chassis.

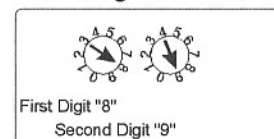
Plug in the servos and receiver power to the proper slots.

With the power in the off position, adjust the channel frequency dials using the supplied screwdriver. See examples under M8 Synthesized Modules.

After your channel frequency has been set, make sure it is safe to turn on your transmitter first.

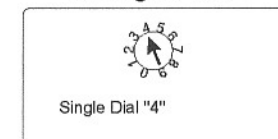
Your transmitter must always be turned on first before the receiver and the receiver must be turned off before your transmitter is turned off.

Setting for CH 89



75 MHz

Setting for CH 4



27 MHz

Channel Frequencies

75 MHz	27 MHz
61 75.410	1 26.995
62 75.430	2 27.045
63 75.450	3 27.095
64 75.470	4 27.145
65 75.490	5 27.195
66 75.510	6 27.255
67 75.530	
68 75.550	
69 75.570	
70 75.590	
71 75.610	
72 75.630	
73 75.650	
74 75.670	
75 75.690	
76 75.710	
77 75.730	
78 75.750	
79 75.770	
80 75.790	
81 75.810	
82 75.830	
83 75.850	
84 75.870	
85 75.890	
86 75.910	
87 75.930	
88 75.950	
89 75.970	
90 75.990	

Warranty:

Your synthesized module and or Receiver carries a 90 day warranty. Failure to read and follow warnings can result in the destruction of your module and or receiver and will void any stated or implied warranty, so please read them carefully prior to installation. Any warranty repair must be sent to Airtronics, Inc. and must include a copy of your sales receipt before any warranty work can be done.

www.Airtronics.net

Airtronics, Inc.
1185 Stanford Court
Anaheim, CA 92805Ph: (714) 978-1895 Fax: (714) 978-1540