



AS-9554

INSTALLATION GUIDE FOR:

2 DOOR CODE HOPPING GARAGE DOOR INTERFACE MODULE

Printed in Taiwan

Form No. 128-4784

INTRODUCTION:

The AS-9554 has been designed to operate as a two door garage door interface, however, it can also be used to control two devices in a vehicle such as a remote start unit (AS-9151N) and a window roll up module (AS-9153).

As a control device in your vehicle, simply wire the twin lead Black wire to chassis ground and the Black/White wire to a known 12 volt source. Arrange the N.C., N.O., and COM. contacts to operate the desired device(s). These contact arrangements are shown on page 3.

The AS-9554 utilizes the latest in R.F. "CODE HOPPING" technology to insure the units integrity. This makes the 434 MHz Transmitter / Receiver nearly impossible to scan or decode without the use of an authorized programmed transmitter. Every time you operate a programmed transmitter, the digital code changes and is anticipated by the receiver. Any attempts to capture and rebroadcast the code would be ineffective as the receiver will ignore any previously used codes.

- NOTE:**
- a) Prior to installation, we suggest you consult an electrician if you are unfamiliar with the circuits described in this installation guide.
 - b) Although this unit is designed to operate two garage doors, the unit will operate properly controlling only one door. If you intend to operate one garage door with your AS-9554, Follow the instructions which refer to door #1 and use the diagrams #3, or #4 as shown on page 4.

MOUNTING THE MODULE:

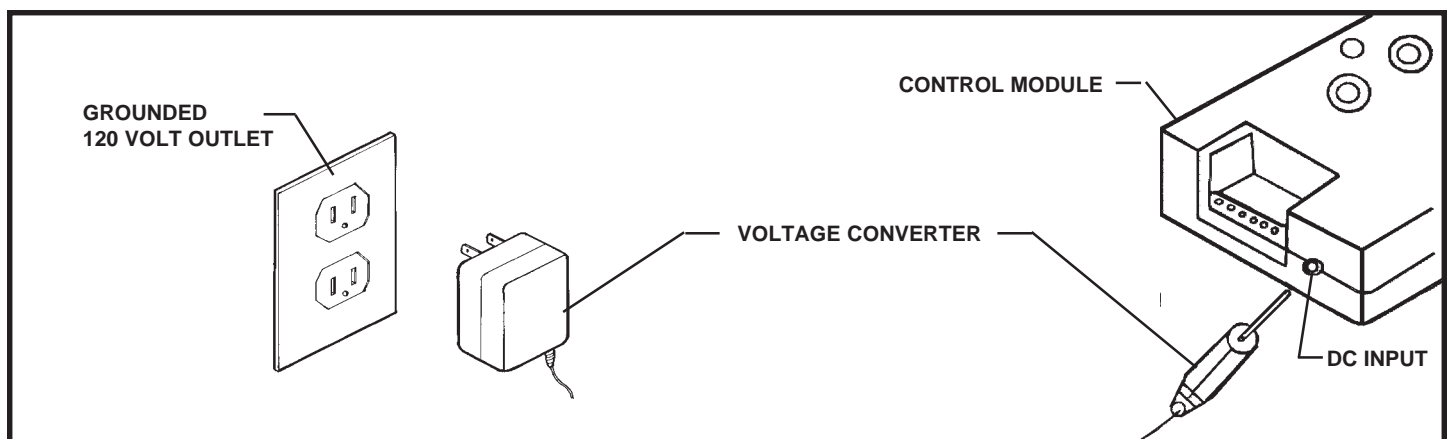
Since the AC adaptor cable is six (6) feet long, and the wire harness is two (2) feet long, it is important to select a mounting surface within six (6) feet of a 120 volt AC outlet, and within two feet of the existing garage door's push button switch wires.

- NOTE:** In some cases, both AC outlet and push button switch wires can be found at either of the garage door motors. In this instance it may be necessary to extend one pair of the AS-9554 relay contact wires to connect to the second door's switch wire(s).
- In either case, you should mount the AS-9554 module as high as possible, and keep the thin Black antenna wire fully extended. This will insure the greatest effective operating range.
- Mount the control module using the screws or cable ties provided.

CONNECTING POWER TO THE CONTROL MODULE:

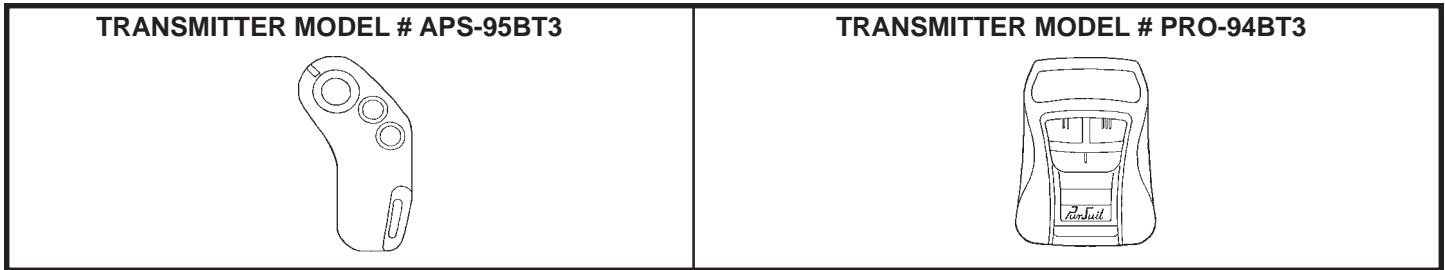
Plug the voltage converter into a grounded 120 volt AC outlet.

Plug the other end of the converter to the DC input terminal of the control module.



PROGRAMMING THE TRANSMITTERS:

NOTE: Because this unit utilizes 434 MHz "CODE HOPPING" technology, only Audiovox 434 MHz code hopping transmitters will program and operate this device. Be certain your transmitter(s) are shown below before attempting to program this receiver.



Each 3-button transmitter shown above can transmit up to seven different distinct codes. Refer to chart below.

BUTTON NUMBER	CODE NUMBER
Button #1	1
Button #2	2
Button #3	3
Buttons #1 & #2	4
Buttons #2 & #3	5
Buttons #1 & #3	6
Buttons #1, #2 & #3	7

The garage door interface should be programmed to any transmitter code that is presently not being used by your vehicles alarm system.

NOTE: It is recommended that different button combinations be used to operate each garage door, unless you specifically wish to have both doors operate from one button.

Each channel of the AS-9554 will learn and store 4 different transmitter codes, allowing 4 different transmitters to operate each door. If a 5th code is programmed into either channel, then the first code stored in that channel will be bumped out.

TO PROGRAM DOOR ONE:

Have all transmitters ready that you wish to program before you begin.

- 1) Press and hold the programming button one (1) on the AS-9554 module. The Red L.E.D. on the control module will begin to flash... pause...flash...etc. - continue holding the program button during step 2.
- 2) Within 10 seconds of step 1, press and hold the transmitter button(s) you wish to operate garage door #1 until the modules Red L.E.D. illuminates.
- 3) Release both the module button and the transmitter button(s). The L.E.D. will turn off.
- 4) Repeat steps 1, 2, and 3 for each transmitter you wish to operate garage door #1, (up to four different transmitters).

TO PROGRAM DOOR TWO:

Have all transmitters ready that you wish to program before you begin.

- 1) Press and hold the programming button two (2) on the AS-9554 module. The Red L.E.D. on the control module will begin to flash... pause...flash etc. - continue holding the program button during step 2.
- 2) Within 10 seconds of step 1, press and hold the transmitter button(s) you wish to operate garage door #2 until the modules Red L.E.D. illuminates.
- 3) Release both the modules button and the transmitter button(s). The L.E.D. will turn off.
- 4) Repeat steps 1, 2, and 3 for each transmitter you wish to operate garage door #2, (up to four different transmitters).

WIRING THE INTERFACE TO THE GARAGE DOOR SWITCH WIRES:

- 1) Check the specifications in your garage door opener owners' manual to confirm the push button switch wiring configuration.
- 2) If the switch is a S.P.S.T., N.O. (normally open contact), wire the unit as shown in diagram #1.
- 3) If the switch is a S.P.S.T., N.C. (normally closed contact), wire the unit as shown in diagram #2.
- 4) If the wiring configuration for your garage door opener switch is unknown first try wiring the unit as shown in diagram #1. If this does not operate the garage door, but the AS-9554 control module "clicks" (when operating the programmed transmitter), then wire the unit as shown in diagram #2.

NOTE : Confirm all connections are taped and secured away from the moving rollers, springs, chains, and gears which operate your garage door prior to testing the unit.

WIRING THE INTERFACE TO OPERATE ONE GARAGE DOOR:

- 1) Check the specifications in your garage door openers owners manual to confirm the push button switch wiring configuration.
- 2) If the switch is a S.P.S.T., N.O. (normally open contact), wire the unit as shown in diagram #3.
- 3) If the switch is a S.P.S.T., N.C. (normally closed contact), wire the unit as shown in diagram #4.
- 4) If the switch for your garage door opener is unknown, first try wiring the unit as shown in diagram #3. If this does not operate the garage door, but the AS-9554 control module "clicks" (when operating the programmed transmitter), then wire the unit as shown in diagram #4.

NOTE : Confirm all connections are taped and secured away from the moving rollers, springs, chains, and gears which operate your garage door prior to testing the unit.

AS-9554 RELAYS CONTACT CONFIGURATION:

Door One (1)

Blue / White	=	N.O.
Yellow	=	COM.
Green	=	N.C.

Door Two (2)

Orange	=	N.O.
White	=	COM.
Blue	=	N.C.

(Contact current capability = 10A max.)

DIAGRAM #1 N.O. TWO DOOR CONFIGURATION

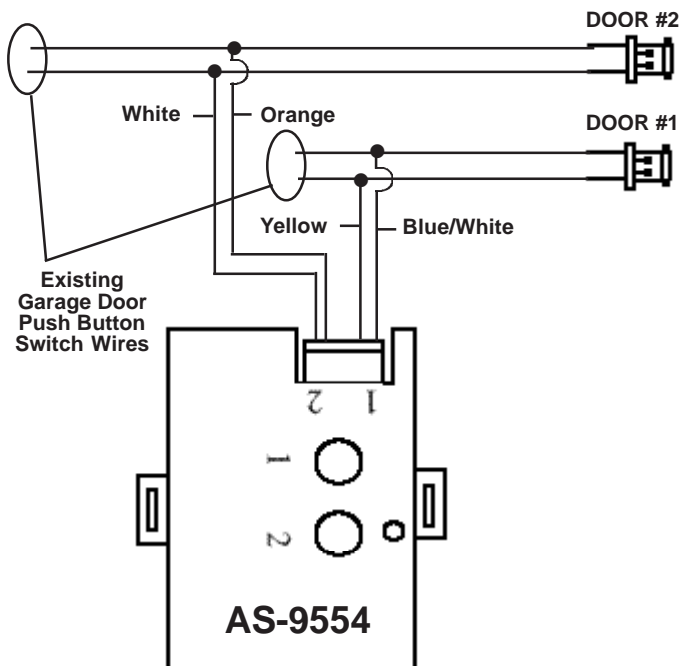


DIAGRAM #2 N.C. TWO DOOR CONFIGURATION

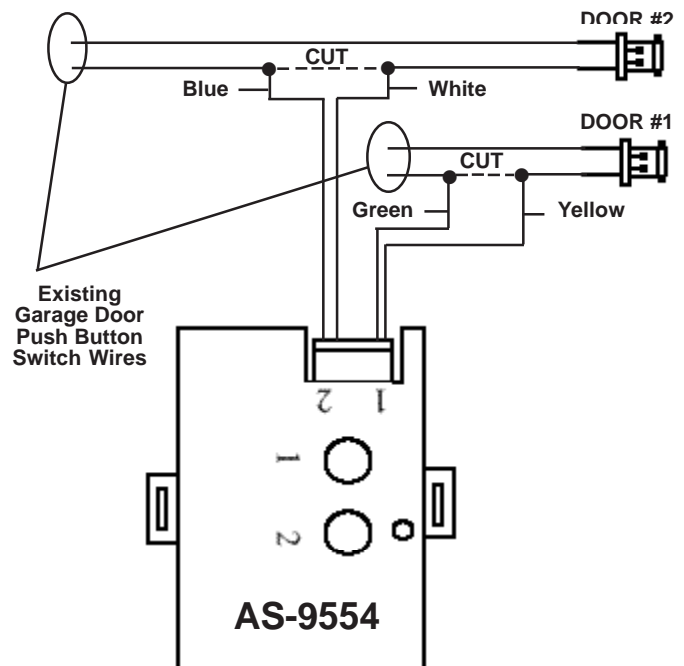


DIAGRAM #3 N.O. ONE DOOR CONFIGURATION

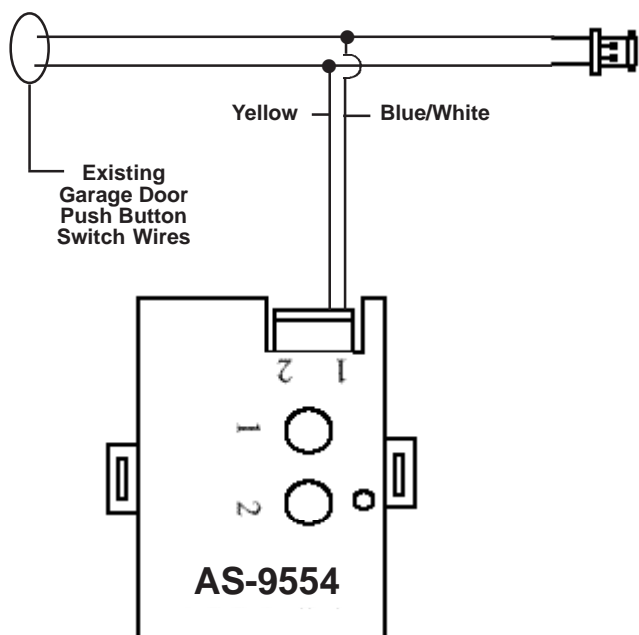
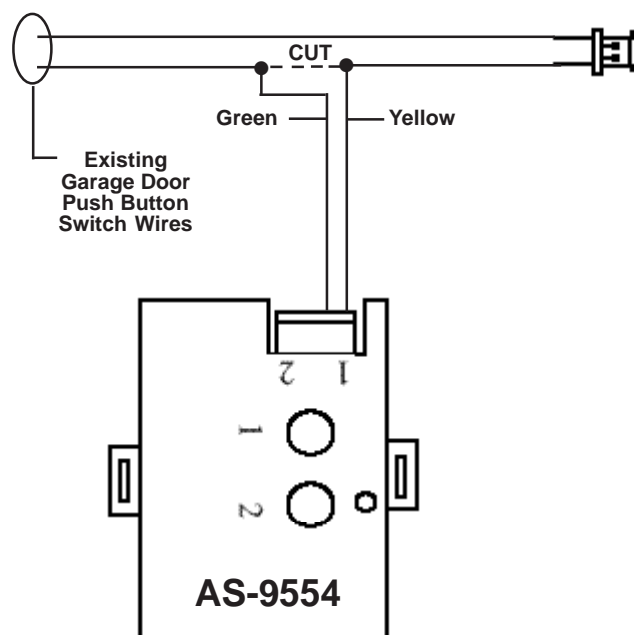


DIAGRAM #4 N.C. ONE DOOR CONFIGURATION



OPERATION:

Garage Door Interface:

Press and release the pre-programmed transmitter button(s) to operate door number 1. If the garage door was closed, it will open. If the garage door was open, it will close.

Press and release the pre-programmed transmitter button(s) to operate door number 2. If the garage door was closed, it will open. If the garage door was open, it will close.

CAUTION: Be certain there are no animals, people, or objects near the path of the doors' travel or injury/damage may occur!

Note: As a vehicle accessory, the interface will provide an output of 500 ms to 7.0 seconds, depending on the length of time the transmitter button is held.