



13 Functions

The RF1300 throttle controls all 13 of the defined NMRA-DCC functions.

Functions 0-9 - Just push the desired number key.

For F10 through F12, first push # then * and then 0 through 2.

For example:

- 0 is F0,
- 1 is F1,
- 2 is F2,
- ...
- 9 is F9,
- # * 0 is F10
- # * 1 is F11
- # * 2 is F12.

Control	Function	Secondary Function(s)
Speed Knob	Speed control	none
Direction key	Loco direction change	-
MODE LED	Tums on for accessory use	none
R LED	Reverse direction indicator	Burst mode selected
F LED	Forward direction indicator	Scan mode selected
BATTERY LED	Battery low indicator	none
0-9	F0 through F9	Number keys
1	F1 or 1	Set accessory decoder reverse or off when ACCY mode is on
3	F3 or 3	Set accessory decoder normal or on when ACCY mode is on
#, nnnn, #	Enter address number	-
#, Direction, nn,#	Enter ID number	-
#, *, 0-2	Function 10 through 12	-
*	Enable Accessory Mode	none
POWER	Tums on Throttle	Sets desired transmission mode 7 key held = Burst 9 key held = Scan

Set Transmission Mode
SCAN: TURN OFF power switch. Push and hold the 9 key. Turn on the power switch. Release the 9 key. Scan mode is now programmed.
BURST: TURN OFF power switch. Push and hold the 7 key. Turn on the power switch. Release the 7 key. Burst mode is now programmed.

Set Transmission Frequency

Frequency #0 	Frequency #4
Frequency #1 	Frequency #5
Frequency #2 	Frequency #6
Frequency #3 	Frequency #7

Not available in burst mode - do not use

Pictorial Diagram For Entering A Throttle ID Number

Before using a throttle, a unique ID number must be programmed into the throttle. There are two groups of IDs. Group 1 is ID 1 through 8 and Group 2 is ID 9 through 16. Your wireless receiver software dictates which group ID can be used. All RF1300 throttles have a factory default of ID 1. To change it, follow these steps. An incorrect ID will illuminate the CD light. If this occurs, reset the ID to one within the allowed group. The receiver's rear label shows its group.

Turn On Throttle First!

#
Step 1: Push the # key
 R & F LED both turn on

DIRECTION
Step 2: Push the Direction Key
 The R and F LED will flash quickly

2
Step 3: Enter the ID number
 Push the 2 key, for example, to program the ID to 2.

#
Step 4: Push the # key
 After a few seconds, only one direction LED only the F LED remains on. This means the throttle is ready for use.

Pictorial Diagram For Entering A LOCOMOTIVE Address

For this example, the locomotive number selected is address 2539. The throttle **must be** turned on before selecting addresses. The locomotive address is retained without power.

Turn On Throttle Before Following These Steps!

#
Step 1: Push the # key (R & F LED both turn on)
 The LEDs indicate the throttle is waiting for the address to be entered.

2 5 3 9
Step 2: Enter the address
 Push the 2,5,3 and 9 keys for the example address of 2539.

#
Step 3: Push the # key
 After a few seconds, only the F LED remains on. This means the throttle is ready for use.

To Control Accessory Decoders

Push the * key to enable the Accessory Decoder mode. Note the MODE LED turns on. Push the # key, (R and F both on) enter the decoder address and push the # key again (alternate flash stops). Use the 1 key to throw the accessory decoder Reverse or OFF or the 3 key to throw the accessory decoder Normal or ON. To enter another accessory address, push the # key again, enter the number and push the # key.

Note: The locomotive address and full control is retained during ACCY mode.

Push the * key to exit accessory mode. The MODE LED will turn off.

Pictorial Diagram For Controlling An Accessory Decoder

For this example, accessory decoder address 72 will be controlled.

Turn On Throttle Before Following These Steps!

*

Step 1: Push the * key

MODE LED turns on

Note that the locomotive may be controlled normally when in the Accessory mode

#

Step 2: Push the # key (R & F LED both on)

When both R and F LEDs are on, this indicates the throttle is waiting for the accessory address to be entered.

7

2

Step 3: Enter the Accessory Decoder address

Push the 7 key and then the 2 key for example address 72.

#

Step 4: Push the # key

The direction LEDs return to the appropriate direction in use by the locomotive.

1

Step 5: Push the R-OFF or N-ON key

R-OFF (the 1 key) sends the command to throw a turnout in the reverse direction.

3

N-ON (the 3 key) sends the command to throw a turnout in the normal direction.

The locomotive may be controlled normally while in the accessory mode. All locomotive decoder functions except those controlled by the 1 and 3 keys may be used while in the accessory mode.

*

Step 6: Push the * key to exit the accessory mode.

Before Turning Off...

To allow another throttle to use the current address on the throttle, set the throttle to an unused and easy to remember address such as 99 or 9999.

ID Number 0

Restores Factory Defaults

Assigning ID 0 resets the throttle to the factory default for all internal settings. This means ID=1, and address =1.

Duplicate ID Numbers – NO!

Make sure that all throttles, wireless and plug-in have unique ID numbers. If you program two throttles with the same ID, locomotives will not operate properly. Fortunately, no harm will be done so make sure each throttle ID is unique. If in doubt, check!

WARNING -- REMOVE THROTTLE BATTERIES WHEN NOT IN USE

Batteries that leak will damage and/or destroy your wireless throttle. Throttles damaged by leaking batteries can not be repaired. To avoid problems, always remove the batteries if the throttles will not be used for more than 15 days. CVP will not be liable for any damage to throttles caused by leaky batteries. Discard any battery that appears to have leaked or if you see a corroded terminal. Battery clips that are corroded by leaky batteries may be cleaned using very fine sand paper. The spring clips easily break; do not bend them during cleaning.

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