

VR Rail Tractor (RT class) for ZIMO MS decoders



Victorian Railways Rail Tractors (RT) are a class of 54 shunting locomotives used mainly at country stations and private sidings for moving small numbers of wagons within yard limits. They were built upon an IA wagon chassis and powered by a Ford Motor Company Fordson tractor engine, which in turn powered the cab end axle through a transmission and chain drive. The locomotive had no air supply for braking, so a mechanical ratchet handbrake was used in the cab to bring a train to a stop. Therefore, the numbers of permitted wagons to be shunted was relatively low.

RT1 entered service in June 1932, while the final unit, RT54 entered service in October 1976.

This project was recorded from RT 53, which entered service 27 October 1975.

Project settings and information:

Project no.: Fordson VR RT class MS

This project was released by DCCSound for use in ZIMO MS decoders featuring 16 bit technology.

- The decoder must have the latest software version loaded prior to sound project loading
- The decoder can be controlled via address 3
- To ensure the functionality of the project, CV values should only be changed very carefully.
- A decoder reset can be completed using CV #8 = 8.

Key	Function	Description	Sound
F0	Headlight on/off	Front headlight (FA0v) or Rear headlight (FA0r) depending on direction set	
F1	Drive sound on/off	The prime mover, a Fordson 4 cylinder tractor engine can be heard starting up and runs into a steady idle	PM start-up & shutdown
F2		The RT class featured an electric car horn; the long horn is playable.	Playable horn
F3			Coupler crash & release
F4	Not used		
F5	Speed lock	Adjust notch position vs speed	
F6	Brake	Ignores momentum settings	Brake application via handbrake actuation in cab
F7	Shunting mode	Half motor speed, no momentum	
F8		A mechanical handbrake with ratchet is applied when the locomotive is not in use	Handbrake
F9		The RT class featured an electric car horn; the short horn can be used within a yard	Short horn
F10		To simulate the sound of wheel flange squeal against the rail head	Curve squeal
F11	FA1	Aux 1 lighting reserved	
F12	FA2	Aux 2 lighting reserved	
F13	FA3	Aux 3 lighting reserved	
F14	FA4	Aux 4 lighting reserved	
F15		The manually actuated single windscreen wiper can be actuated	Windscreen wiper
F16		Sanding action sound can be controlled	Sanding
F17		The end of train device signal to be set before, used by the Victorian Railways	Taildisc
F18			Cab door open & close
F19	Mute sound	Mutes the volume	
F20	Volume +	Increase the volume from default setting	
F21	Volume -	Decrease the volume from default setting	
F22-F28	Not used		