

SOUNDFUNKTIONEN DIESELTRIEBWAGEN DESIRO

Sound functions for use Commuter Train



NEM 652

0-12 V ---

0-16 V ~

Taste / Key	Funktion / Function	
F0	Spitzenlicht ein/aus	Headlights On/Off
F1	Kreuzungsglocke ein/aus	Crossing Bell On/Off
F2	Hupe - lang ein/aus	Horn - Long On/Off
F3	Hupe - kurz	Horn - Short
F4	FRA-Notfallhupe ein/aus	FRA Emergency Horn On/Off
F5	Motorgeräusche ein/aus	Motor Sounds On/Off
F6	Innenbeleuchtung ein/aus	Interior Light On/Off
F7	Rangiergang ein/aus	Switching Mode On/Off
F8	Ton ein/aus	Mute On/Off
F9	Hupe - Bahnübergang	Horn - Grade Crossing Pattern
F10	Bremsenquietschen	Brake Squeal
F11	Kurvenquietschen	Curve Squeal
F12	Lautstärkeregl. (4 Stufen)	Volume Control (4 Steps)

Taste / Key	Funktion / Function	
F13	Warnung vor Hochgeschwindigkeitszügen	High-Speed Train Warning
F14	Rauchen verboten / Kein Alkohol	No Smoking / No Alcohol
F15	Etwas sehen	See Something
F16	Tür öffnen/schließen (4 Pieptöne vorher - 4 währenddessen)	Door Open/Close (4 Beeps Before - 4 During)
F17	Vorsicht beim Einsteigen	Watch Your Step
F18	Willkommen an Bord / Ticket / Sitzplatz	Welcome Aboard/Ticket/ Seating
F19	Haltestellen - Richtung Osten (13-1 in Sequenz)	Station Stops - Eastbound (13-1 in Sequence)
F20	Endhaltestelle - Escondido	Final Stop - Escondido
F21	Haltestellen - Richtung Westen (1-13 in Folge)	Station Stops - Westbound (1-13 in Sequence)
F22	Endhaltestelle - Oceanside	Final Stop - Oceanside



Adjusting Individual Sound Volumes on a PIKO NCTD Sprinter (w/PIKO SmartSound 5.1 Decoder)

Volume levels for individual sound functions can be adjusted using a three-step programming procedure. The first two steps unlock the programming lock to allow adjustments. The third step is to program a new value into the CV for the function. The programming lock only needs to be unlocked once for any number of individual adjustments. Remember to follow the steps below to re-lock after making adjustments.

Programming Steps

To adjust individual sound function volumes on a PIKO SmartSound 5.1 Decoder, follow these steps:

- 1) Program CV 31 to a Value of "2".
- 2) Program CV 32 to a Value of "0".
- 3) Use the chart below to program the desired value (between 0 & 255) into the CV number corresponding to the sound function.

Function Key	Sound Slot	Description	CV	Factory Default Value (0-255)	Adjusted Volume Value (0-255)
F0	-	Front/Rear Headlight			
F1	5	Bell	293	100	
F2	2	Long Horn Blast	290	144	
F3	11	Short Horn Blast	299	144	
F4	12	FRA Emergency Horn	300	128	
F5	1	Engine	289	56	
F6	-	Interior Light			
F7	3	Switching Gear	291	200	
F8	-	Mute			
F9	13	Horn Grade Crossing Sequence	301	144	
F10	9	Brake Squeal	297	50	
F11	10	Curve Squeal	298	200	
F12	-	Volume Regulator			
F13	18	Announc. 1 - Hi-Speed Train	306	166	
F14	4	Announc. 2 - No Smoking	292	255	
F15	19	Announc. 3 - See It/Say It	307	178	
F16	6	Door Open/Close	294	200	
F17	20	Announc. 4 - Watch Your Step	308	160	
F18	21	Announc. 5 - Welcome Aboard	309	255	
F19	14	Station Stops - East to West	302	255	
F20	16	Station Stops - Final/Escondido	304	255	
F21	15	Station Stops - West to East	303	255	
F22	17	Station Stops - Final/Oceanside	305	255	

Once finished making adjustments, program a value of "0" into CV 31 AND program a value of "0" into CV 32 to re-lock the decoder settings.

Function Mapping: Because of the very large number of detailed CV settings involved in moving a certain function from the factory-assigned function number to a different function number, performing function mapping on the 5.1 decoder with a typical DCC system is not recommended. Instead, the use of a computer and a programming device, such as the PIKO SmartProgrammer and PIKO SmartTester, will make this process much more manageable.