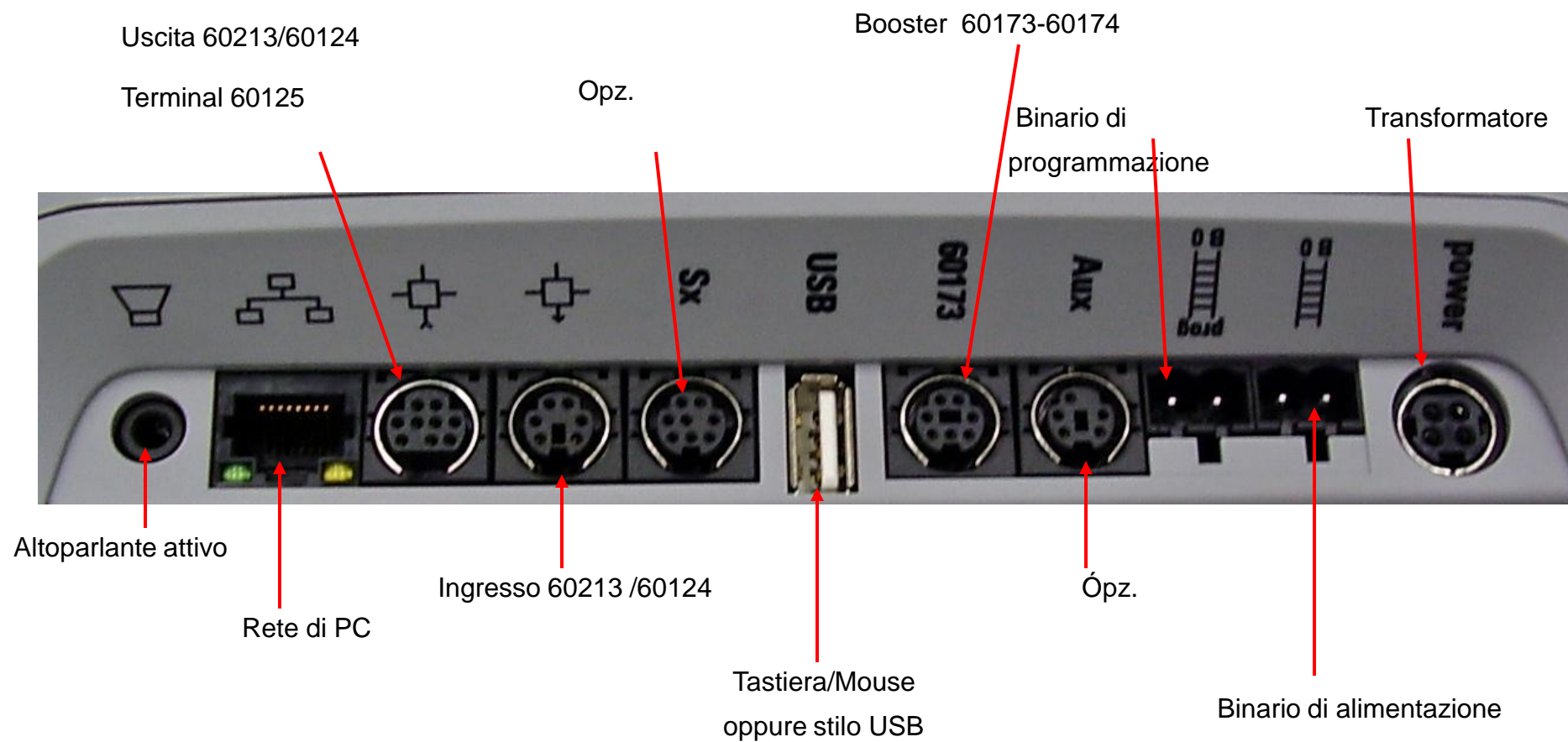


# Central Station



# Central Station



# Collegamento Station



mobile station 1 (60652)

mobile station 2 (60653)

# Collegamento

Stilo

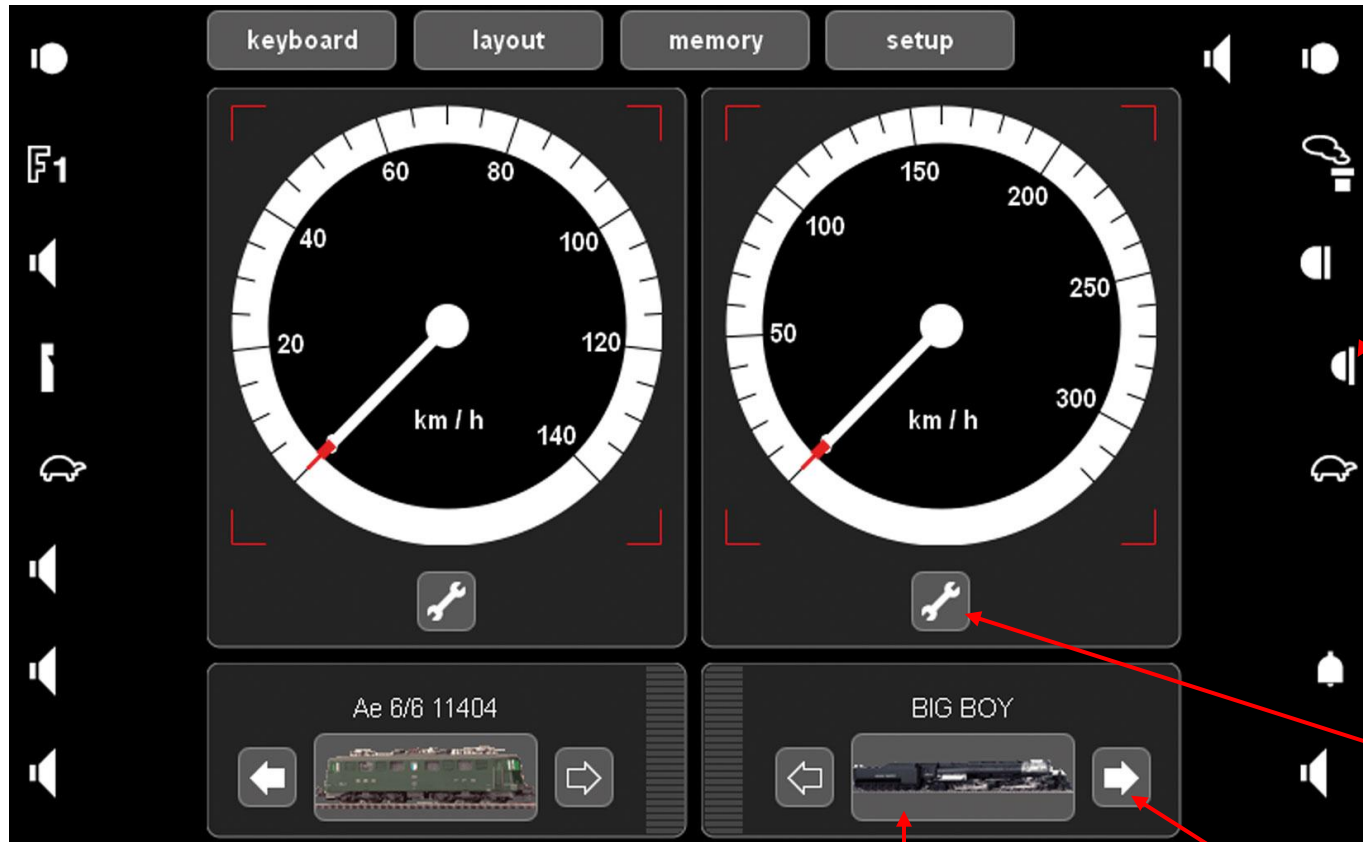


S88 modulo 60880

Booster 6015 / 6017

# Installazione e avviamento



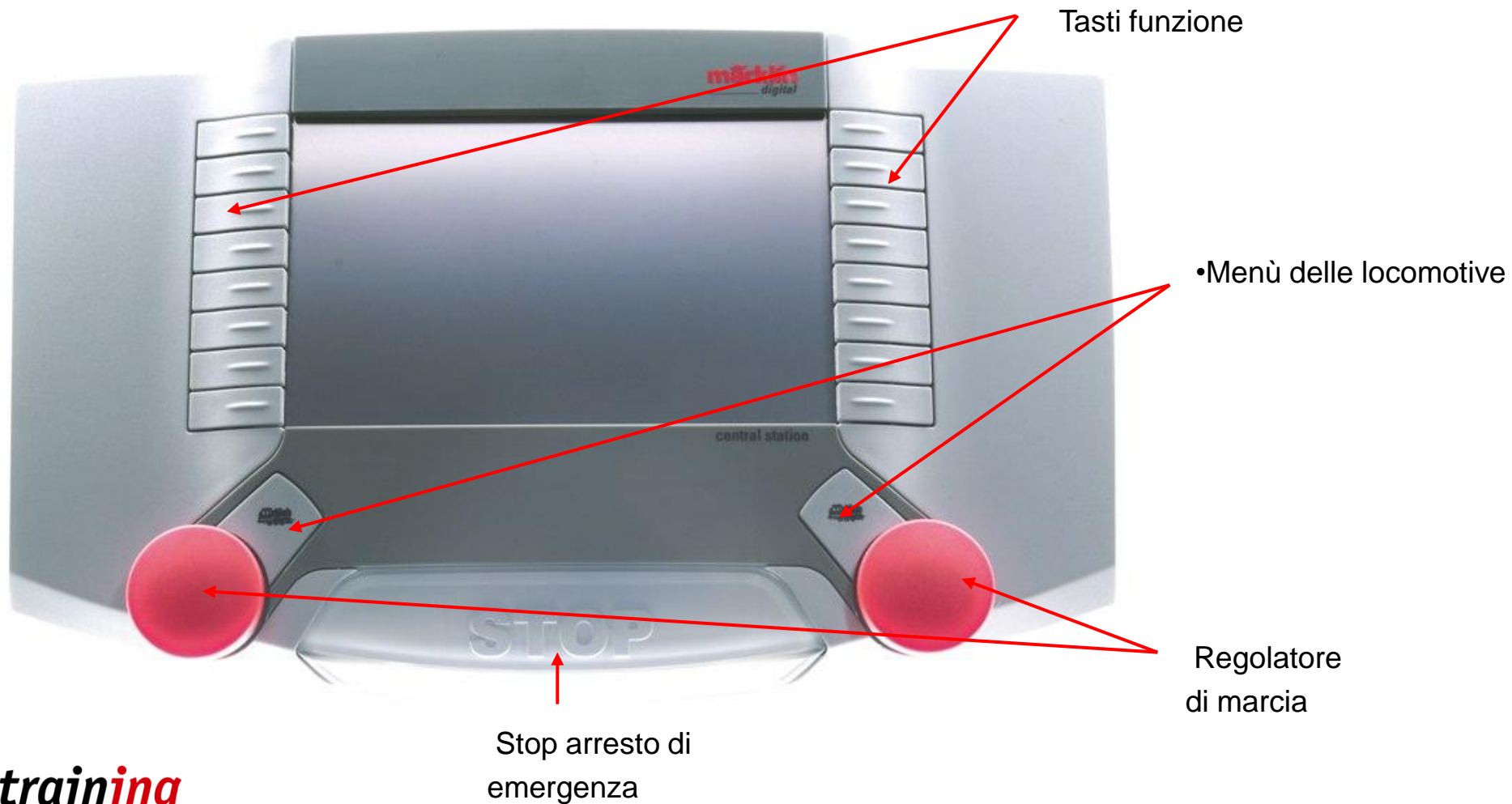


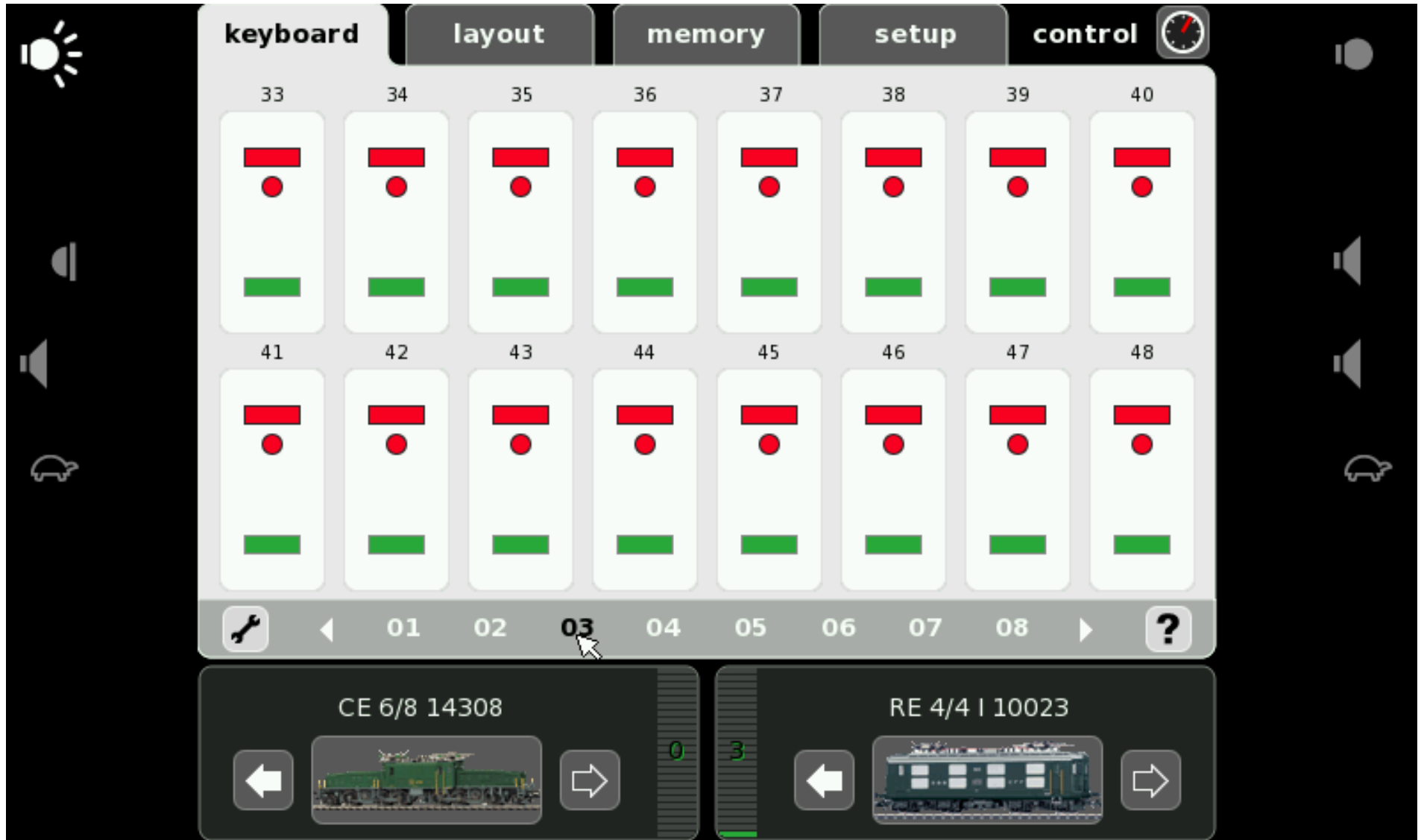
Simboli

Modifica, memorizzazione dei dati

Menù delle locomotive

Indicazione del senso di marcia







Attenzione: Il fondo blu significa sempre fase di programmazione

The image shows five overlapping screenshots of the Märklin Central Station software interface, each representing a different programming phase. Red arrows point from text labels to specific menu items in each screenshot:

- memory**: Points to the 'memory' menu item in the top navigation bar of the first screenshot.
- setup**: Points to the 'setup' menu item in the top navigation bar of the second screenshot.
- control**: Points to the 'control' menu item in the top navigation bar of the third screenshot.
- keyboard**: Points to the 'keybe' menu item in the top navigation bar of the fourth screenshot.
- layout**: Points to the 'lay' menu item in the top navigation bar of the fifth screenshot.

The screenshots show various configuration options, including data restoration, program updates, locomotive settings (e.g., 'Konfiguration Ae 6/6 11404'), and keyboard layout grids.

# Aiuto

**Configurazione RE 4/4 I 10023**

Nome	RE 4/4 I 10023	Ritardo di avviam.	16	-	16	+
Figura		Ritardo di frenat.	12	-	12	+
Simbolo per MS	Loco a vapore	VMin	17	-	17	+
Tipo di Decoder	mfx	VMax	225	-	225	+
Indirizzo MM2	- 82 +	Volume sonoro	0	-	0	+
Accesso CV		Tachimetro	350	-	350	+
Treno pendolare						

?

---

RE 4/4 I 10023

← → 3

Upd Rst

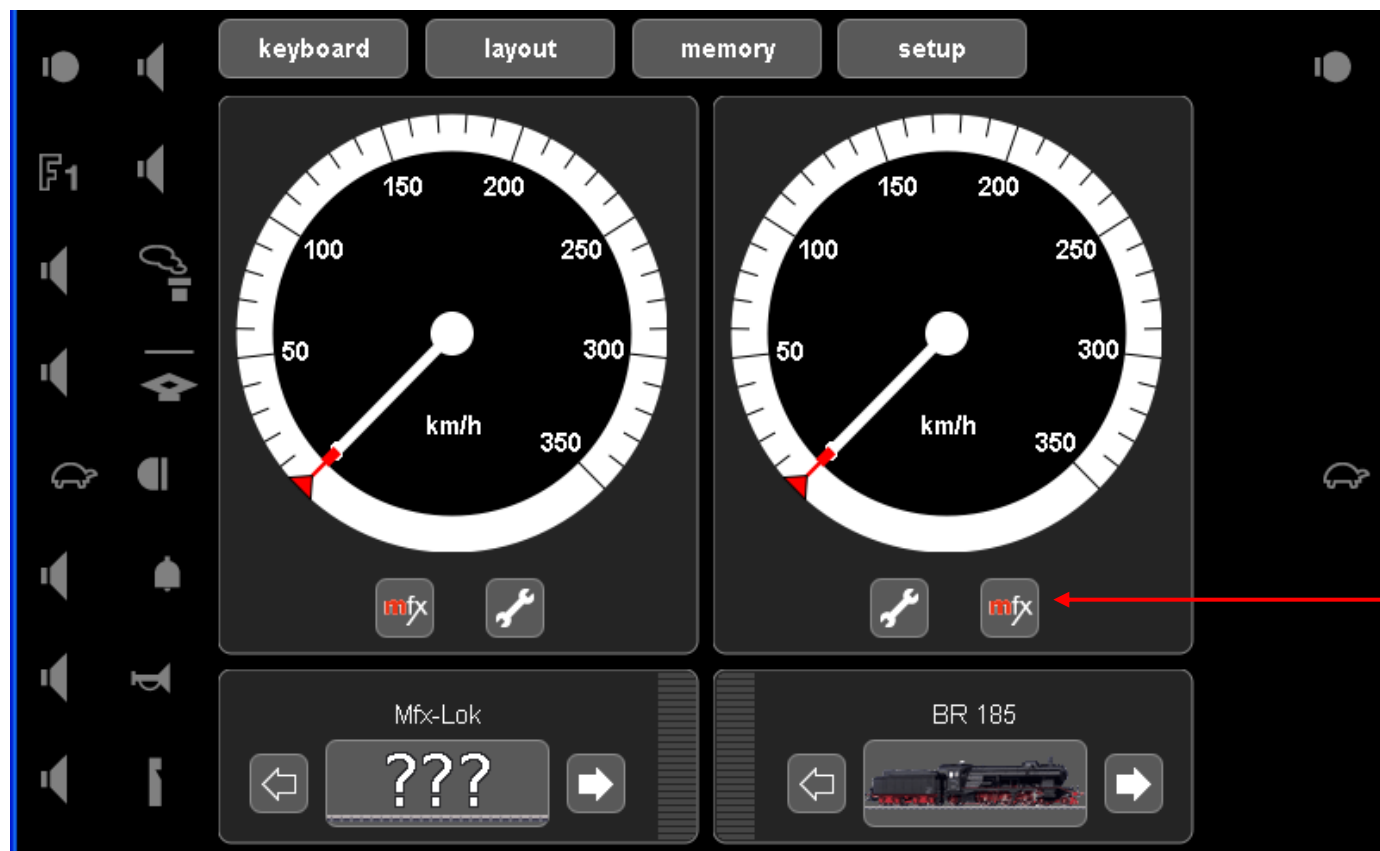
**Aide** ✕

**Configuration d'une locomotive locomotives avec commutateur de codage**

C'est ici que sont prises toutes les décisions relatives à une locomotive. Celles-ci sont enregistrées dans la Central Station.

Si une locomotive s'annonce via sa [carte loco](#) toutes les décisions sont déjà prises. Vous pouvez malgré tout modifier ces données et, le cas échéant, enregistrer ces modifications sur la carte via le bouton de commande

# Locomotiva mfx

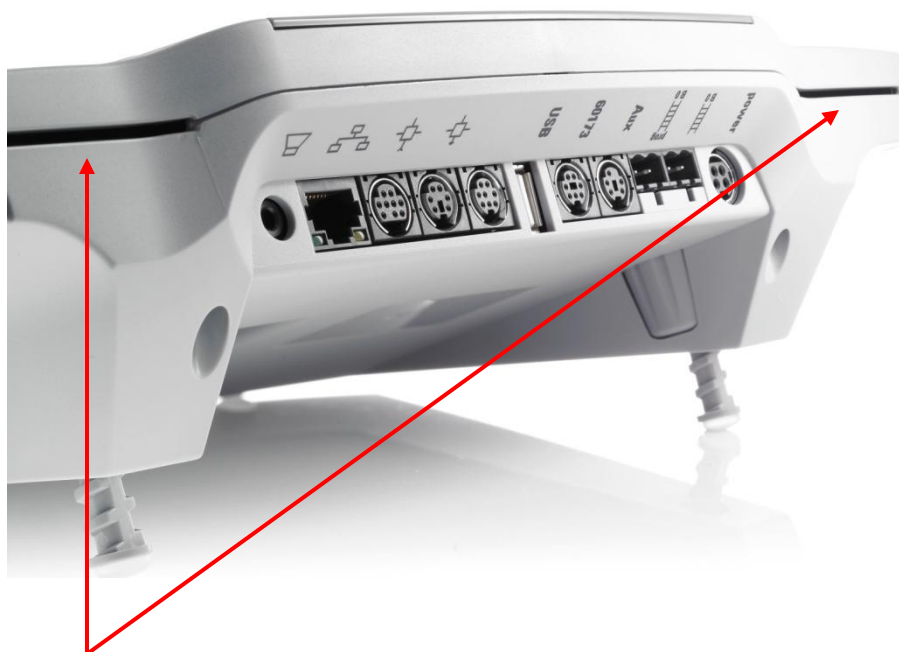


Dati della locomotiva mfx completamente acquisiti

Comfermare



# Scheda di locomotiva



Scheda di locomotiva.

**märklin**



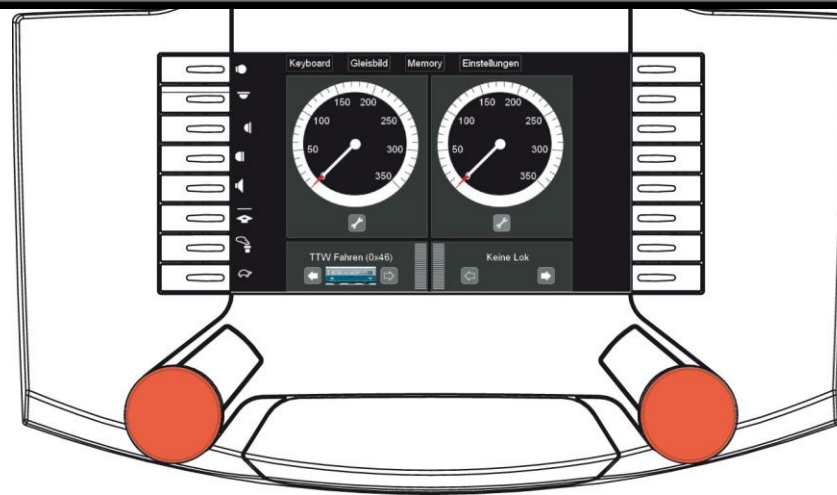
39180 BR 218 DB

Länge über Puffer	16.400 mm
Leistung	2.500 PS
Höchstgeschwindigkeit	140 km/h
Indienststellung	1971



**I dati della locomotiva sono scritti sulla propria scheda**

Applicare nuove..



Configurazione Lok

Selezionate la figura

Selezione della locomotiva



01 138 DB

Banca dati delle loco

Selezionate una locomotiva dalla banca dati.

Articolo N.



Ricerca

Articolo N.	Descrizione
16075	Schienenzeppelin - Replikat
2600	BR 89 Start-Set
26001	Mob.Vision ICE KameraVideobrille
2600b	BR 260 Start-Set
2601	BR 89 Start-Set
2601b	BR 260 Start-Set
2602	BR 89 Start-Set
26020	Mob.Vision 20a MHI ICE Kamera...
2602b	BR 260 Start-Set

Nessuna locomotiva



## Configurazione Lok

Nome Lok

Figura

???

Simbolo per MS

Loco elettrica

Tipo di Decoder

Commutatore di codifica

Indirizzo loco

- 0 +



Commutatore di codifica

4 8



## Aiuto

Le champ « Nom » vous permet d'affecter à la locomotive **le nom de votre choix** qui permettra de la reconnaître immédiatement. A cet effet, appuyez brièvement sur le bouton de commande



situé à droite de la zone d'entrée pour le nom, de manière à ce que le clavier apparaisse en surbrillance. Des renvois à l'adresse sont ici inutiles. Vous pouvez en outre choisir une image pour la loco. De nombreuses [illustrations de locos](#) sont disponibles.

Dans le sous-menu « Type de décodeur », sélectionner le type de décodeur intégré dans la locomotive. Toutefois, ceci est nécessaire uniquement si vous procédez manuellement à la création d'une nouvelle loco. Sont disponibles ici :

- [Locomotives MM2 avec commutateur de](#)



# Nuova loco: modo manuale



## Configurazione Lok

Nome Lok

Figura

Simbolo per MS

Tipo di Decoder

Indirizzo loco

Commutatore di codifica

Ritardo di avviament.	20	-	20	+
Ritardo di frenat.	20	-	20	+
VMin	0	-	0	+
VMax	255	-	255	+
Volume sonoro	0	-	0	+
Tachimetro	350	-	350	+





**Selezione della loco**  Tutte  L'ultima impiegata +

 BR 213 915	 BR 89	??? ZEPPELIN	 01 138 DB	

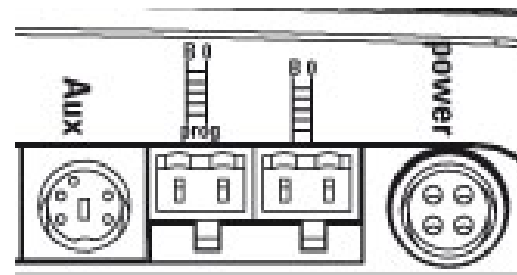
🗑️ ?

---

BR 213 915 FS  
0

Destra Loco  Nessuna loco  Indirizzo

←  →    ✖ ✓



Connessione al binario di programmazione



premere

### Configurazione Lok

Nome

Figura

Simbolo per MS

Tipo di Decoder

Indirizzo loco

Accesso CV

Ritardo di avviam.	<input type="text" value="7"/>	-	<input type="text" value="7"/>	+	1 - 63
Ritardo di frenat.	<input type="text" value="7"/>	-	<input type="text" value="7"/>	+	1 - 63
VMin	<input type="text" value="3"/>	-	<input type="text" value="3"/>	+	1 - 63
VMax	<input type="text" value="60"/>	-	<input type="text" value="60"/>	+	1 - 255
Volume sonoro	<input type="text" value="24"/>	-	<input type="text" value="24"/>	+	1 - 255
Tachimetro	<input type="text" value="350"/>	-	<input type="text" value="350"/>	+	1 - 255

?

- Solamente i CV in giallo vengono trasferiti

# Nuova locomotiva: modo manuale

**Configuration BR 232**

<p>Nom <input type="text" value="BR 232"/></p> <p>Photo <input style="background-color: #ccc; border: 1px solid #ccc; width: 100px; height: 30px; text-align: center; font-size: 24px; color: #ccc;" type="text" value="???"/></p> <p>Symbole pour MS <input type="text" value="Loco diesel"/></p> <p>Type de décodeur <input type="text" value="MM2 programmable"/></p> <p>Adresse loco <input type="text" value="24"/></p> <p>Accès CV <input checked="" type="checkbox" value="CV"/></p> <p>Train-navette <input type="checkbox"/></p>	<p>Tempor. d'accélération <input type="text" value="7"/></p> <p>Tempor. de freinage <input type="text" value="4"/></p> <p>Vmin <input type="text" value="4"/></p> <p>Vmax <input type="text" value="61"/></p> <p>Volume <input type="text" value="26"/></p> <p>Tachymètre <input type="text" value="351"/></p>	<p>1 - 63</p> <p>1 - 63</p> <p>1 - 255</p> <p>1 - 255</p> <p>1 - 255</p> <p>1 - 255</p> <p>1 - 600</p>
---	--	--

BR 232

Réinitial.

### Configurazione Lok

Nome

Figura

Simbolo per MS

Tipo di Decoder

Indirizzo loco

Accesso CV

Ritardo di avviam.

Ritardo di frenat.

VMin

VMax

**i** **Informazione** ✔

La scrittura al momento non è possibile.  
Evidentemente è già in corso un accesso CV.  
Si prega di tentare questo un'altra volta più tardi.



•Configurazione

Configurazione Programmazione sul binario

CV N.	Nome	Valore	Notazione in bit	Progr.	Invia	
1	Cv Name	1	7 6 5 4 3 2 1 0			
2	Cv Name	2	7 6 5 4 3 2 1 0			
3	Cv Name	3	7 6 5 4 3 2 1 0			
4	Cv Name	4	7 6 5 4 3 2 1 0			
5	Cv Name	5	7 6 5 4 3 2 1 0			
6	Cv Name	6	7 6 5 4 3 2 1 0			

?

---

BR 24

0

•Configurazione

**Configurazione Programmazione sul binario**

CV N.	Nome	Valore	Notazione in bit	Progr.	Invia
1	Cv Name	-		0	
2	Cv Name			0	
3	Cv Name			0	
4	Cv Name			0	
5	Cv Name			0	
6	Cv Name			0	

123|

7	8	9
4	5	6
1	2	3
0	←	

✖
✔

BR 24

0

← →

+
-
↓
↑
##
✖
✔

•Denominazione della locomotiva

•Minore o risp. maggiore

•aiuto

•Selezio  
one del  
tipo  
•di  
Decoder

•Lettura indirizzo della locomotiva

•Disposizione commutatori

•Memorizzare i dati

•Interrompere senza memorizzare

•Confermare e memorizzare

# Configurazione Locomotiva

## 🔧 Configurazione Lok

Nome

Figura ???

Simbolo per MS  ▼

Tipo di Decoder  ▼

Commutator...difica MM2

Programmabile MM2

DCC

Commutatore di codifica  4  8

Ritardo di avviam.  - 20 +

Ritardo di frenat.  - 20 +

VMin  - 0 +

VMax  - 255 +

Volume sonoro  - 0 +

Tachimetro  - 350 +

?

## •Configurazione motorola

The screenshot displays the 'Configurazione Lok (2)' interface. At the top, the 'Nome' field contains 'Lok (2)' and the 'Ritardo di avviam.' field is set to 60. A red-bordered warning dialog box is centered on the screen, containing the following text: 'Messaggio di avviso', 'La revisione dei valori CV modifica importanti impostazioni del Decoder e può magari renderlo inservibile.', and 'Si prega di informarsi PRIMA nel manuale del Decoder.' The dialog has a red 'X' icon and a green checkmark icon. Below the dialog, the 'Accesso CV' section shows 'CV Gradazioni di marcia' set to 28, and the 'Tachimetro' is set to 350. The bottom of the screen features a control bar with a 'Lok (2)' label, a '0' value, and various function buttons including 'Upd', 'Rst', and a checkmark.

**Configurazione Decoder mfx**

CV N.	Nome	Valore
<div style="border: 2px solid green; padding: 10px; margin: 10px auto; width: 80%;"> <p>Il descrittore di blocco N. 4 viene letto</p>  </div>		

← **Root** → ?

BR 232 232-9

←

→

0

↓
↑
↓
×
✓

### 🔧 Configurazione Decoder mfx

CV N.	Nome	Valore
	Informazione motore	1
3	Ritardo avviamento	32
4	Ritardo frenatura	16
2	Velocità minima	5
5	Velocità massima	255
	Tabella delle velocità	

◀ Root **Motore** Suono Legacy Misc ▶ ?

BR 232 232-9

0

•Configurazione mfx

**Configurazione Decoder mfx**

CV N.	Nome	Valore
	Gradazioni di marcia / Tachir	0
29	Inversione di direzione	<input type="radio"/> Motor / Licht
53	Riferimento regolazione	195
54	Quota K regolatore	128

Navigation: Root **Motore** Suono Legacy Misc ?

BR 232 232-9

0

Control icons: Left arrow, Train image, Right arrow, Download, Upload, Train icon, Cancel (X), Confirm (checkmark)

Right sidebar icons: Light, Speaker, Lock, Speaker, Person



•Configurazione mfx

The screenshot displays the MFX configuration interface. On the left, a graph titled "Caratteristica" shows a curve with data points. A red dot highlights a specific point on the curve. Below the graph, there are controls for adjusting the curve, including a slider set to 70 and a dropdown menu currently showing "Exponentiell". The dropdown menu is open, listing the following options: "Linear", "Exponentiell", "Sehr Exponentiell", "Progressiv", "Sehr Progressiv", and "Exponentiell". A red arrow points from the graph area to the dropdown menu. On the right side of the interface, there are several control panels, including one labeled "Valore" with a value of 255, and another labeled "Motor/Licht" with a value of 0. At the bottom of the interface, there are buttons for "Arrotonda" and several status indicators (red X, green checkmark, and download/upload icons).

•Configurazione mfx

### Configurazione Decode

CV N.	Nome
5	Velocità massima
	Tabella delle velocità
	Gradazioni di marcia /
29	Inversione di direzione

BR 232 232-9

### Curva caratteristica

Gear (x)	Speed (y)
1	0
2	10
3	20
4	30
5	40
6	50
7	60
8	70
9	80
10	90
11	100
12	110
13	120
14	132
15	140
16	150
17	160
18	170
19	180
20	190
21	200
22	210
23	220
24	230
25	240
26	250
27	260

14    132    -    132    +    Default    Linear

Arrotonda

•Configurazione mfx

**Configurazione Decoder mfx**

CV N.	Nome	Valore
63	Volume sonoro	255
57	Mode Control	1
58	Mode Parameter	0

← Root Motore **Suono** Legacy Misc → ?

BR 232 232-9

0

•Configurazione mfx

**Configurazione Decoder mfx**

CV N.	Nome	Valore
	MM2: funzioni attive	
1	Indirizzo MM2	24
75	Indirizzo seguente MM2	255
	3° indirizzo MM2	254
	4° indirizzo MM2	253

Navigation: Root | Motore | Suono | **Legacy** | Misc

Train: BR 232 232-9

Control:

•Configuration mfx

**Configuration décodeur mfx**

N° CV	Nom	Valeur
	Configuration CA	<input checked="" type="checkbox"/> erlaubt
	CA : fonctions actives	<input type="checkbox"/> F15 <input type="checkbox"/> F14 <input type="checkbox"/> F13 <input type="checkbox"/> F12 <input type="checkbox"/> F11 <input type="checkbox"/> F10 <input type="checkbox"/> F9 <input type="checkbox"/> F8 <input type="checkbox"/> F7 <input type="checkbox"/> F6 <input type="checkbox"/> F5 <input type="checkbox"/> F4 <input type="checkbox"/> F3 <input type="checkbox"/> F2 <input checked="" type="checkbox"/> F1 <input type="checkbox"/> F0
78	Tension de départ CA	105
79	Tension maximale CA	255
	Configuration CC	<input checked="" type="checkbox"/> erlaubt

← Root Motor Son **Legs** Misc → ?

Thalys

•Configurazione mfx

**Configurazione Decoder mfx**

CV N.	Nome	Valore
73	Persistence	<input type="radio"/> ABV <input type="radio"/> Geschw. <input type="radio"/> Funktion
74	Preserve	<input type="radio"/> Richtung

Root   Motore   Suono   Legacy   **Misc**

BR 232 232-9

## •Configurazione mfx

 **Configurazione della funzione F0**

Icon  

Test 

Fanali anteriori	
Fanali posteriori	

Funzionalità:

- Funzione di commutazione
- Funzione a impulsi
- Funzione tempo (sec)

BR 232 232-9 

**S** **F**

•Configurazione mfx

**Configurazione della funzione F0**

Icon ▼ Test

Fanali anteriori ▶  Standard

Fanali posteriori ◀  Dimmer

Funzionalità:

Funzione di commutazione

Funzione a impulsi

Funzione tempo (sec)

255 − 255 +

Effetto

- Flash1
- Flash1
- Flash2
- Strobe
- Double Strobe
- Random
- Smoke
- Zoom
- Mars
- Gyra
- Neon

1 − 0 +

BR 232 232-9




◀ ▶ +



•Configurazione mfx


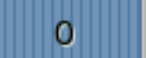

**Configurazione della funzione F2**








Icon Test


  

Funzionalità:






- Funzione di commutazione
- Funzione a impulsi
- Funzione tempo (sec)

1   0 

Fanali anteriori	
Fanali posteriori	
Uscita 1	
Uscita 2	
Uscita 3	
Uscita 4	
Suoni di marcia	



BR 232 232-9 S F

•Configurazione mfx

The screenshot shows the 'Configurazione BR 232 232-9' interface. A red-bordered warning dialog box is overlaid on the screen. The dialog has a title bar with a warning icon and the text 'Messaggio di avviso'. The main text of the dialog reads: 'Qui non si tratta di normali CV, bensì dello spazio di configurazione Mfx. La revisione dei valori CV modifica importanti impostazioni del Decoder e può magari renderlo inservibile. Si prega di informarsi PRIMA nel manuale del Decoder.' The background interface shows fields for 'Nome' (BR 232 232-9), 'Ritardo di avvia...' (32), 'Figura', 'Simbolo per MS', 'Tipo di Decoder', 'Indirizzo MM2', 'Accesso CV', and 'Treno pendolare'. At the bottom, there is a control bar with a train image, navigation arrows, and buttons for 'Upd', 'Rst', and other functions.

•Configurazione mfx

### 🔧 Configurazione BR 232 232-9

<p>Nome <input style="background-color: white; color: black; border: 1px solid #ccc;" type="text" value="BR 232 232-9"/></p> <p>Figura </p> <p>Simbolo per MS <input style="background-color: white; color: black; border: 1px solid #ccc;" type="text" value="Loco Diesel"/></p> <p>Tipo di Decoder <input style="background-color: white; color: black; border: 1px solid #ccc;" type="text" value="mfx"/></p> <p>Indirizzo MM2 <input style="width: 20px;" type="text" value="-"/> <input style="width: 40px; text-align: center;" type="text" value="24"/> <input style="margin-left: 10px;" type="text" value="+"/></p> <p>Accesso CV <input type="checkbox"/> </p> <p>Treno pendolare <input type="checkbox"/> </p>	<p>Ritardo di avviam. <input style="width: 40px;" type="text" value="32"/> <input style="width: 20px; text-align: center;" type="text" value="-"/> <input style="width: 40px; text-align: center;" type="text" value="32"/> <input style="margin-left: 10px;" type="text" value="+"/></p> <p>Ritardo di frenat. <input style="width: 40px;" type="text" value="16"/> <input style="width: 20px; text-align: center;" type="text" value="-"/> <input style="width: 40px; text-align: center;" type="text" value="16"/> <input style="margin-left: 10px;" type="text" value="+"/></p> <p>VMin <input style="width: 40px;" type="text" value="5"/> <input style="width: 20px; text-align: center;" type="text" value="-"/> <input style="width: 40px; text-align: center;" type="text" value="5"/> <input style="margin-left: 10px;" type="text" value="+"/></p> <p>VMax <input style="width: 40px;" type="text" value="255"/> <input style="width: 20px; text-align: center;" type="text" value="-"/> <input style="width: 40px; text-align: center;" type="text" value="255"/> <input style="margin-left: 10px;" type="text" value="+"/></p> <p>Volume sonoro <input style="width: 40px;" type="text" value="255"/> <input style="width: 20px; text-align: center;" type="text" value="-"/> <input style="width: 40px; text-align: center;" type="text" value="255"/> <input style="margin-left: 10px;" type="text" value="+"/></p> <p>Tachimetro <input style="width: 40px;" type="text" value="350"/> <input style="width: 20px; text-align: center;" type="text" value="-"/> <input style="width: 40px; text-align: center;" type="text" value="350"/> <input style="margin-left: 10px;" type="text" value="+"/></p>
---	--

?

---

BR 232 232-9

0



•Configurazione mfx

•Rumori regolabili individualmente

**Configurazione della funzione F3**

Icon:

Test:

Azioni: Suono 1

Function:

Volume: 255 255

0 0

Funzionalità:

- Funzione di commutazione
- Funzione a impulsi
- Funzione tempo (sec)
- Funzione memory

798 716-7 H FS 0

S F

•Configurazione dcc



# •Configurazione dcc

## 🔧 Configurazione LOCO DCC

Nome

Figura

Simbolo per MS Loco elettrica

Tipo di Decoder DCC

Indirizzo loco - 1 +

Accesso CV CV Gradazioni di marcia 28

Treno pendolare +

14

28

126

Ritardo di avviam. 60 - 60 +

Ritardo di frenat. 40 - 40 +

VMin 13 - 13 +

VMax 255 - 255 +

Volume sonoro 100 - 100 +

Tachimetro 350 - 350 +

← →

0

Upd Rst

F8

F9 F1

F10 F2

F11 F3

F12 F4

F5

F6

F7

•Configurazione dcc

**Configurazione Programmazione sul binario**

CV N.	Nome	Valore	Notazione in bit	Progr.	Invia
1	Prim Adr.	3	7 6 5 4 3 2 1 0		
2	Vmin	1	7 6 5 4 3 2 1 0		
3	Anf. Verz.	15	7 6 5 4 3 2 1 0		
4	Brems Verz.	15	7 6 5 4 3 2 1 0		
5	Vmax	63	7 6 5 4 3 2 1 0		
17	Erw. Adr H	192	7 6 5 4 3 2 1 0		

Navigation: POM PRG REG ?

Lok 0

Control icons:

Function keys: F8 F9 F1 F10 F2 F11 F3 F12 F4 F5 F6 F7

•Configurazione dcc

**Configurazione Programmazione sul binario**

CV N.	Nome	Valore	Notazione in bit	Progr.	Invia
1	Prim Adr.	-	0		
2	Vmin		0		
3	Anf. Verz.		0		
4	Brems Verz.		0		
5	Vmax		0		
17	Erw. Adr H		0		

131|

7	8	9
4	5	6
1	2	3
0	←	

✖
✔

Lok

0

←
+
-
↓
↑
###
✖
✔

F8

F9 F1

F10 F2

F11 F3

F12 F4

F5

F6

F7



•Configurazione dcc

CV N.	Nome	Valore	Not
1	Prim Adr.	3	7
2	Vmin	1	7
3	Anf. Verz.	15	7
4	Brems Verz.	15	7
5	Vmax	63	7
17	Erw. Adr H	192	7

**POM**

Lok

**Aiuto** ✖

**POM - Programming on The Main**

POM Programming On The Main (POM) est un mode de programmation particulier permettant de programmer la locomotive en cours d'exploitation, celle-ci ne devant donc ni se trouver sur la voie de programmation ni être arrêtée. Le mode POM doit être pris en charge par le décodeur utilisé (voir la notice du décodeur) et ne peut assurer que certains paramétrages.

POM ne permet par exemple pas d'extraire des valeurs à partir du décodeur / de la locomotive.

Cela dit, POM n'est pas différent du [programmation de CV](#) normal.

•Configuration dcc

### Configuration Programmation sur la voie

POM   
  PRG   
  REG

N° CV	Nom	Valeur	Rep
1	Cv Name	1	7
2	Cv Name	2	7
3	Cv Name	3	7
4	Cv Name	4	7
5	Cv Name	5	7
6	Cv Name	6	7

Lok

#### Aide

**PRG** Le mode de programmation habituel est PRG Il suppose que la locomotive concernée se trouve sur la voie de programmation. Il permet de sélectionner, de modifier et de programmer différentes valeurs.

**REG** Certains décodeurs ne fonctionnent pas avec des CV, mais avec des registres. [Pour la programmation de ces derniers](#), sélectionnez REG. A cet effet, la loco doit se trouver sur la voie de programmation. Ce mode permet de sélectionner, modifier et programmer différentes valeurs.

**Le tableau de CV**  
 Le contenu du tableau représenté peut être modifié manuellement et adapté aux différents besoins.  
 La première colonne (N CV) vous permet de définir les CV dont vous avez besoin et la

 **Configurazione della funzione F1**

Icon Test

Funzionalità:

- Funzione di commutazione
- Funzione a impulsi
- Funzione tempo (sec)
- Funzione memory



Lok FS

   0

F8 

F9 

F10 F2

F11 F3

F12 F4

F5

F6

F7

### Configurazione della funzione F1

Icon Test

 e di commutazione

 e a impulsi

 e tempo (sec)

0 

Lok  0

F8 

F9 

F10 F2

F11 F3

F12 F4

F5

F6

F7

# ICON



**•Simboli**

	Fanali		Fischio del capotreno
	Illuminazione interna		Fischio
	Illuminazione di coda		Campana
	Fanali di profondità		Sinistra/Destra
	Rumori di esercizio		Sollevare/Abbassare
	Pantografi		Ruotare
	Fumo		Andatura di manovra
	Aggancio Telex		
	Tromba		

# trazione



# Création d'une traction

**Selezione della l**  Tutte  L'ultima impi

 01 138 DB	 798 716-7 H	 BR 213 915
 BR 89	 ZEPPELIN	



  
BR 213 915



FS  
0

 **Allocare una nuova trazione**

Loco della trazione

 01 138 DB  
 BR 213 915




Nome

Trazione 








# Allocare una nuova trazione

**Selezione della locomotiva**  Tutte  L'ultima impiego

 BR 232 232-9	 Lok	 23 041 DB
 BR 24	 BR 50 4005 DB	 CE 6/...14303
 bad. IVh 1013	 RE 6/6 11687	

BR 232 232-9

   0

**Allocare una nuova trazione**

Loco della trazione

 BR 232 232-9

Nome

Trazione  

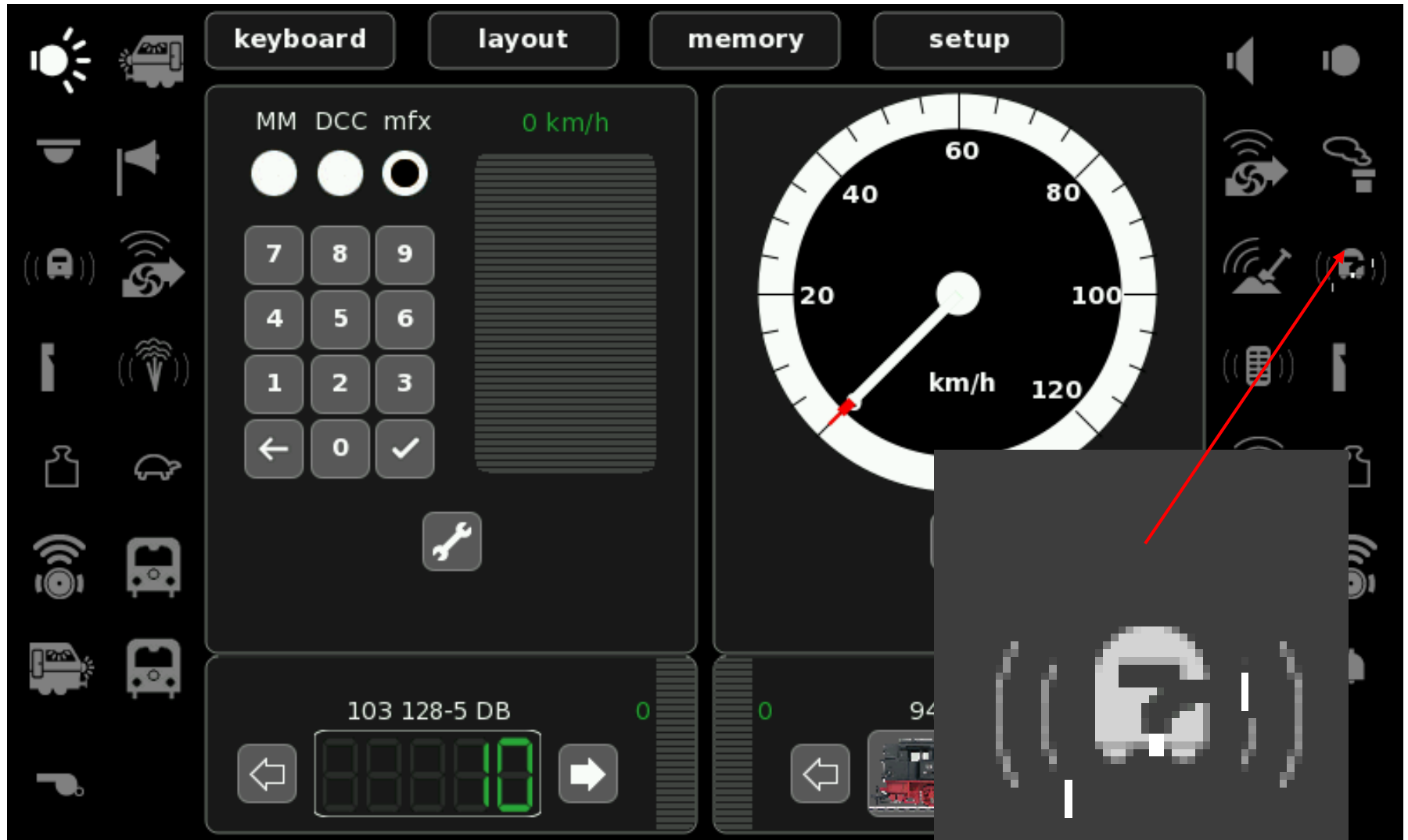


# Cancellare





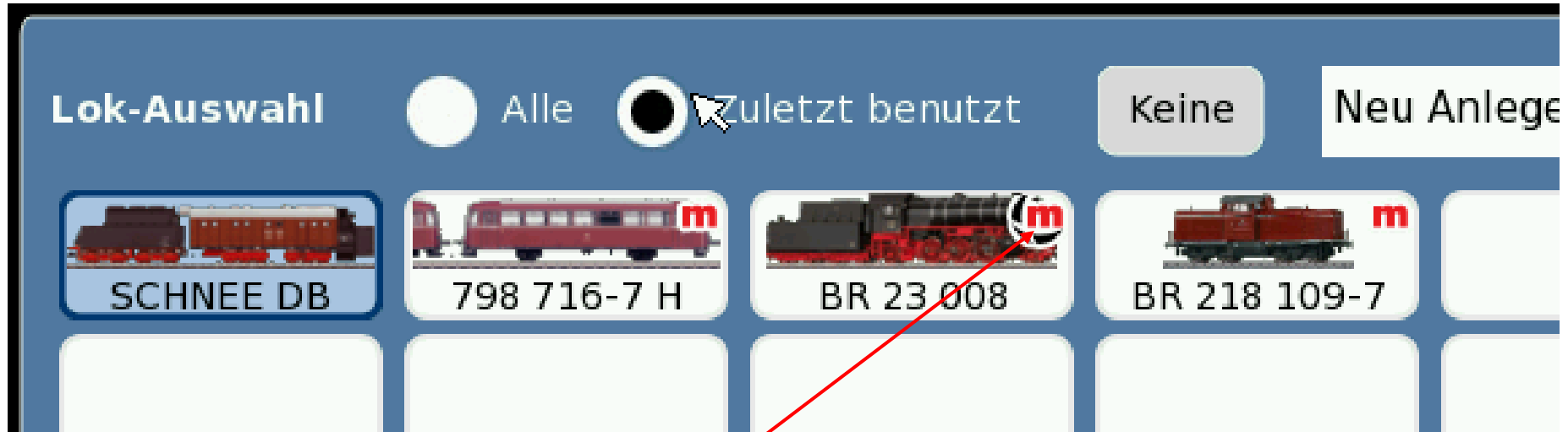


# Mondo dei Giochi



- Modalità di gioco: semi-professionista; viene indicato il consumo del materiale di esercizio e deve venire adeguatamente incrementato tramite la pompa di rifornimento

# Mondo dei Giochi



• **Maggior piacere del gioco ! Questo Märklin l'ha accettato per sé e ha ulteriormente elaborato il Decoder mfx . Per la rappresentazione fedele al prototipo esiste adesso il „Mondo del gioco“ Märklin con il nuovo Decoder mfx+ . A tale scopo Voi avete bisogno della Central Station e sulla quale sia installata la piú recente versione del Firmware 3.0.1 del 2013.**

# Mondo dei Giochi

•Più alto è il valore, più velocemente le forniture vengono consumati.

**Befüllung der Lok BR 23 008**

Resource	Current Value	Unit
Wasser	31000	l
Kohle	8000	kg
Sand	250	kg

**Einstellungen**

Setting	Value
Faktor Wasser	10
Faktor Kohle	7
Faktor Sand	5

BR 23 008

# Mondo dei Giochi

**Konfiguration BR 23 008**

Name: BR 23 008

Bild: ???

Symbol für MS: Dampflok

Decoder-Typ: mfx

MM2-Adresse: 23

CV-Zugriff: CV

Pendelzug: +

Anfahrverz.: 25

Bremsverz.: 16

VMin: 8

VMax: 255

Lautstärke: 255

Tacho: 320

Spielmodus: Halbprofi

Standard  
Halbprofi  
Profi  
Spezialist

BR 23 008

0

Upd Rst

Icons: [Back] [Train] [Forward] [Upd] [Rst] [Train] [Up] [Down] [Red X] [Green Check]

Right sidebar icons: [Wi-Fi] [Light] [Wi-Fi] [Lightbulb] [Wi-Fi] [Lightbulb] [Wi-Fi] [Lightbulb] [Wi-Fi] [Lightbulb] [Wi-Fi] [Lightbulb] [Wi-Fi] [Lightbulb] [Wi-Fi] [Lightbulb]

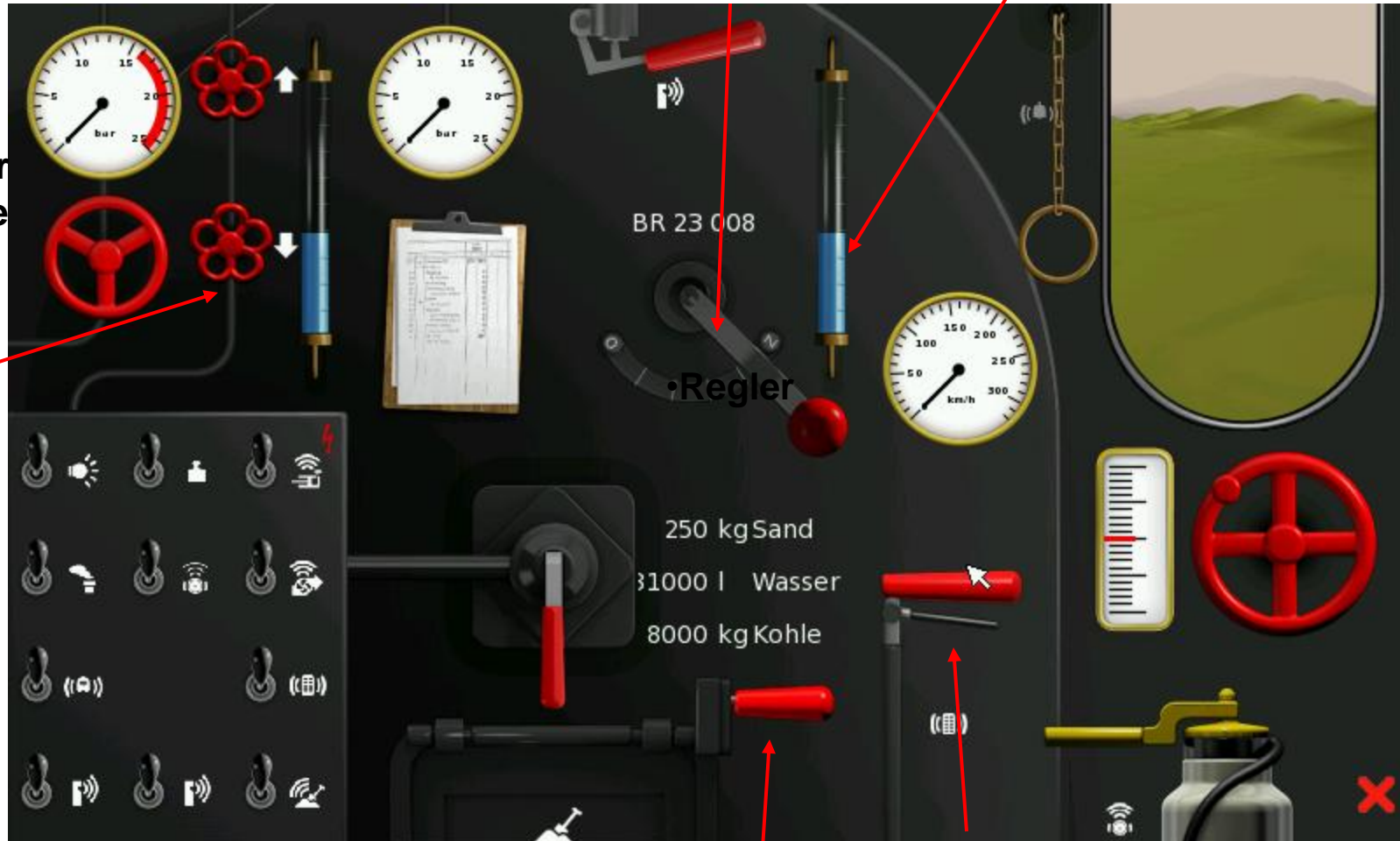


# Mondo dei Giochi: Professionista



# Mondo dei Giochi-Locomotiva a vapore

- Pressione in caldaia
- Pressione ai cilindri
- Regolatore
- Livello acqua



•Regulator  
del vapore

Svuotare  
la caldaia

• Funzioni  
della  
locomo-  
tiva

•Regler

•Inversione  
di marcia

•Scaricare il  
vapore

•Boccaporta del  
focolaio

•Griglia a scuotimento Freno

# Mondo dei Giochi



•Richiesta di un impianto di accudienza della locomotiva. Questo tasto appare nelle modalità Professionista e Specialista, qualora Voi premiate sopra un indicatore di scorte. Esso rende possibile rifornire il materiale di consumo.

# Mondo dei Giochi



•La locomotiva viaggia in marcia al rallentatore, sino a quando la sabbia o il combustibile mancante viene nuovamente rifornito.

# Mondo dei Giochi

• Creazione di un contatto di commutazione

The screenshot displays the Märklin software interface for configuring a contact. The main window is titled "Contatto S88" and shows a configuration panel with the following fields:

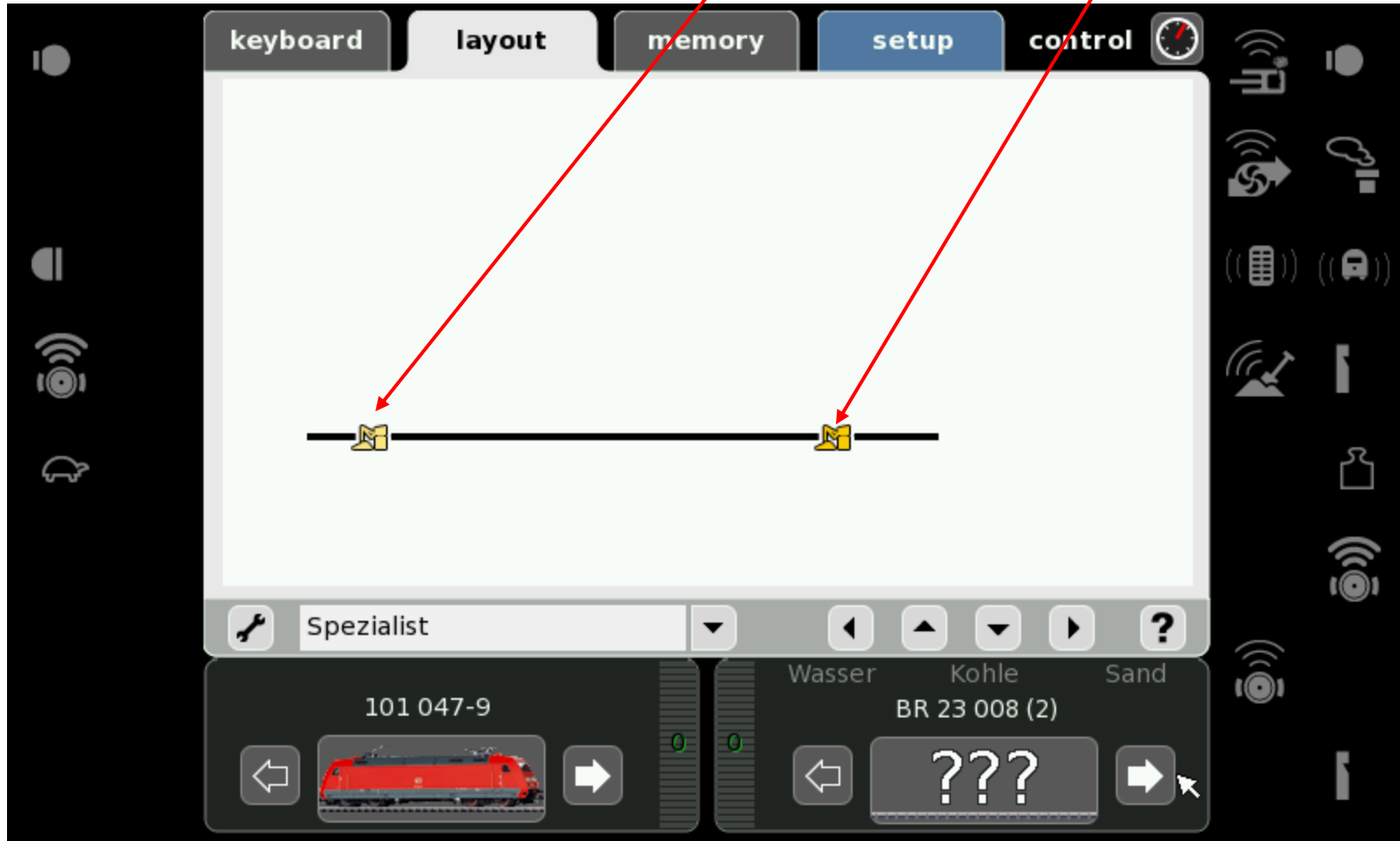
- Modulo: 1 Contatto: 1
- Value: 1 (with minus and plus buttons)
- ID dispositivo: CS2 Master
- Stazione di servizio: Gasolio - display (highlighted by a red arrow)
- Other options in the dropdown: Nessuna, Gasolio - display, Sabbia - display, Carbone - display, Acqua - display, Gasolio - Stop, Sabbia - stop, Carbone - Stop, Acqua - Stop

The interface also features a "keyboard" grid on the left and a "control" grid on the right, both with numbered rows and columns. A "Configurazioni" panel at the bottom left shows a "Nome" field with the value "0". The bottom right contains a toolbar with various icons, including a question mark, a hand, a refresh icon, and a checkmark.

# Mondo dei Giochi

•Coaling

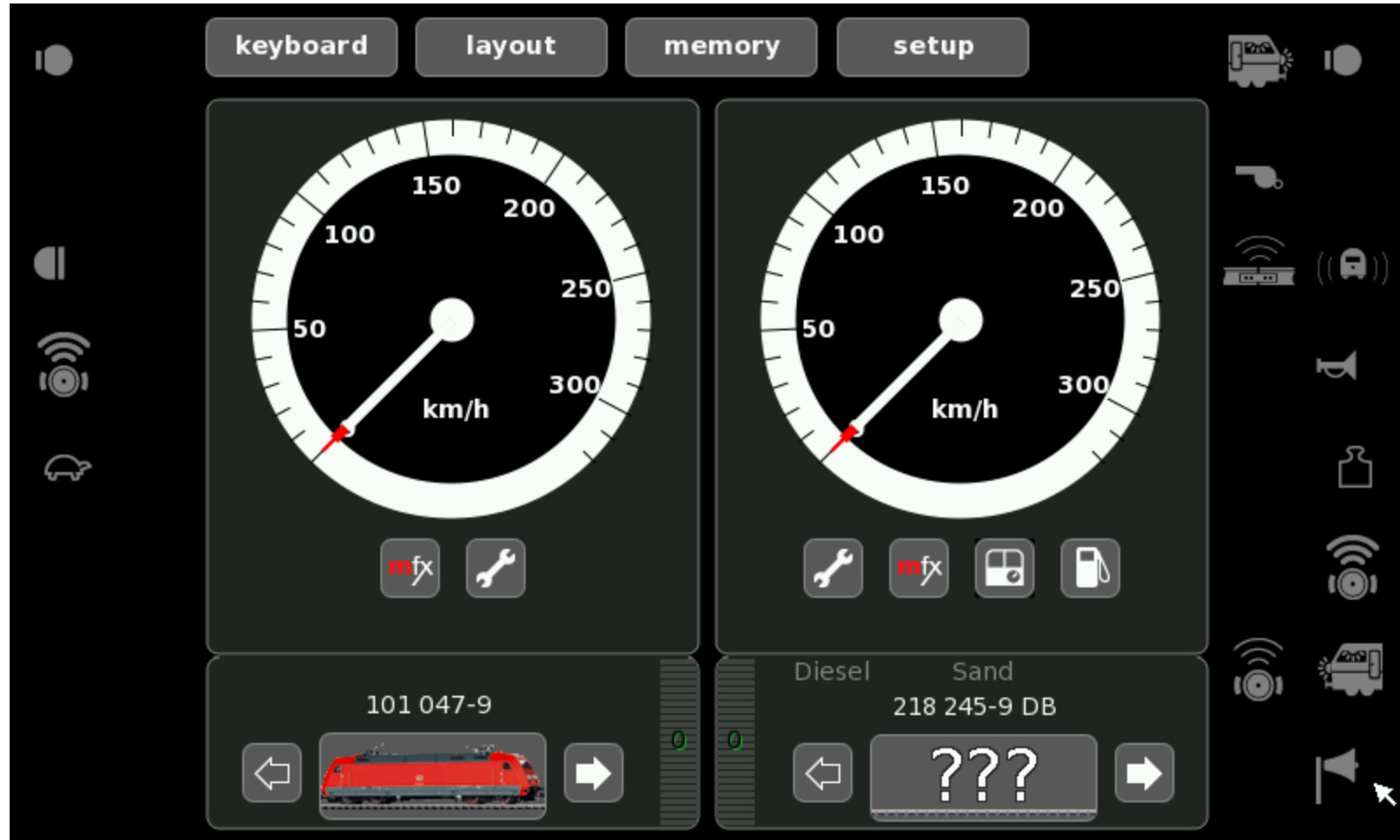
menutenzione del carbone



# Mondo dei Giochi : Diesel



# Mondo dei Giochi

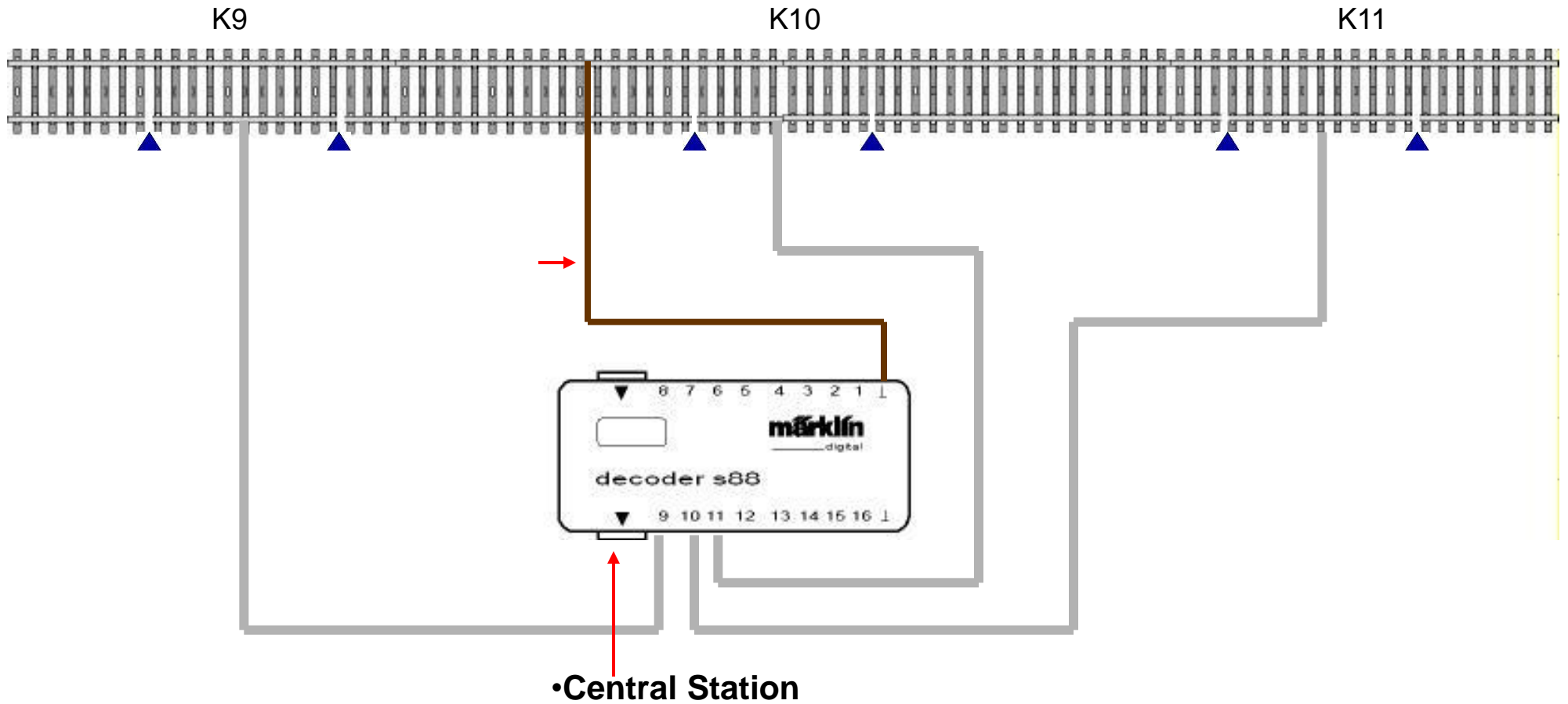




# Mondo dei Giochi:



# Treni pendolari



**Configurazione**

Nome BR 232 232-9

Figura

Simbolo per MS Loco

Tipo di Decoder mfx

Indirizzo MM2 -

Accesso CV

Treno pendolare

**Tratta da treni pendolari per Loco BR 232 232-9**

Contatto S88 di inizio	1	-	1	+
Contatto S88 di mezzo	2	-	2	+
Contatto S88 di fine	1	-	1	+
Gerät-Auswahl	Master-CS2			
Velocità di marcia (%)	20	-	20	+
Tempo di attesa (sec)	5	-	5	+

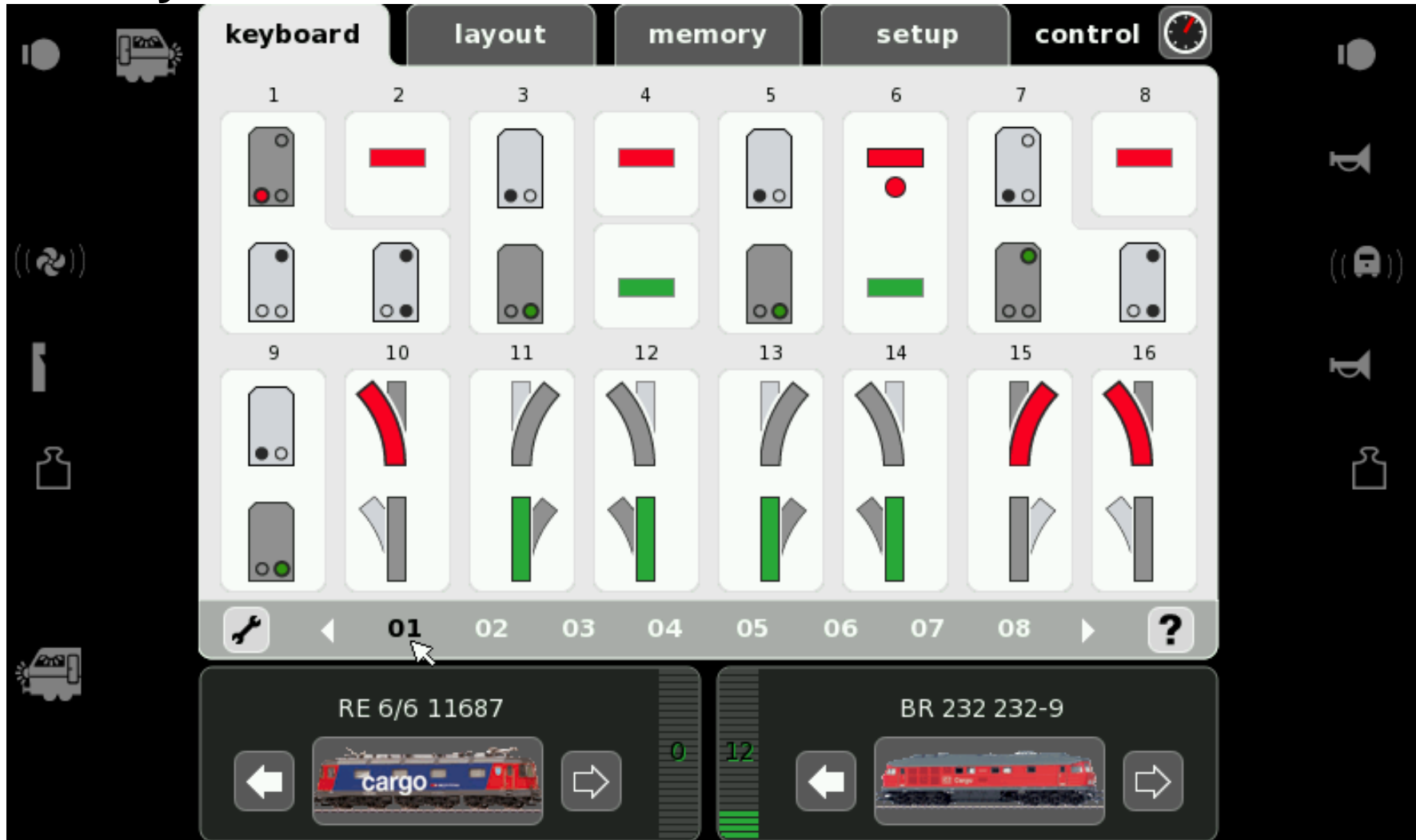
BR 232 232-

Upd Rst

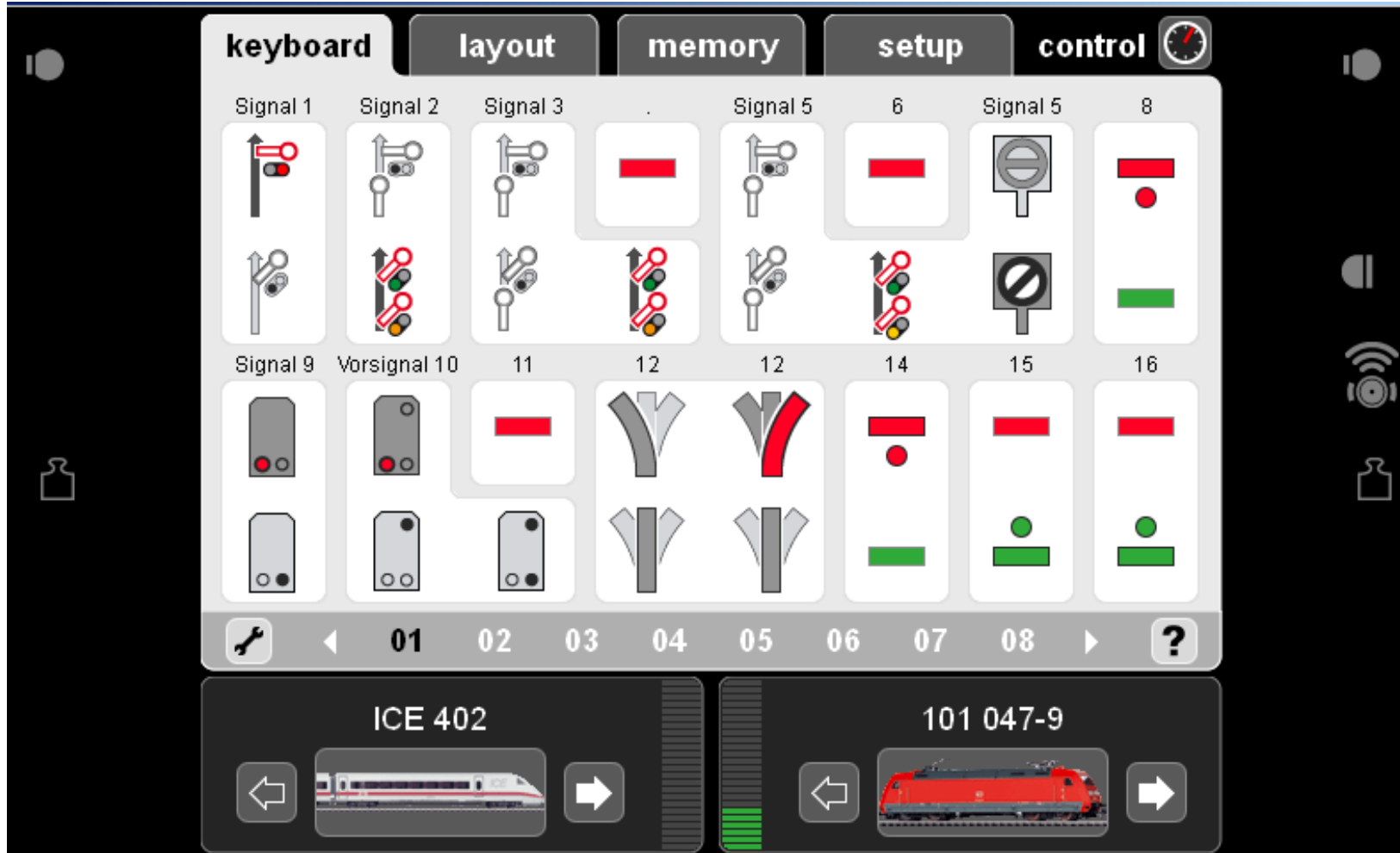
# Treno pendolare



# Keyboard



# Keyboard



# Keyboard

The screenshot shows the 'keyboard' configuration screen in the Märklin digital control system. The interface is divided into several sections:

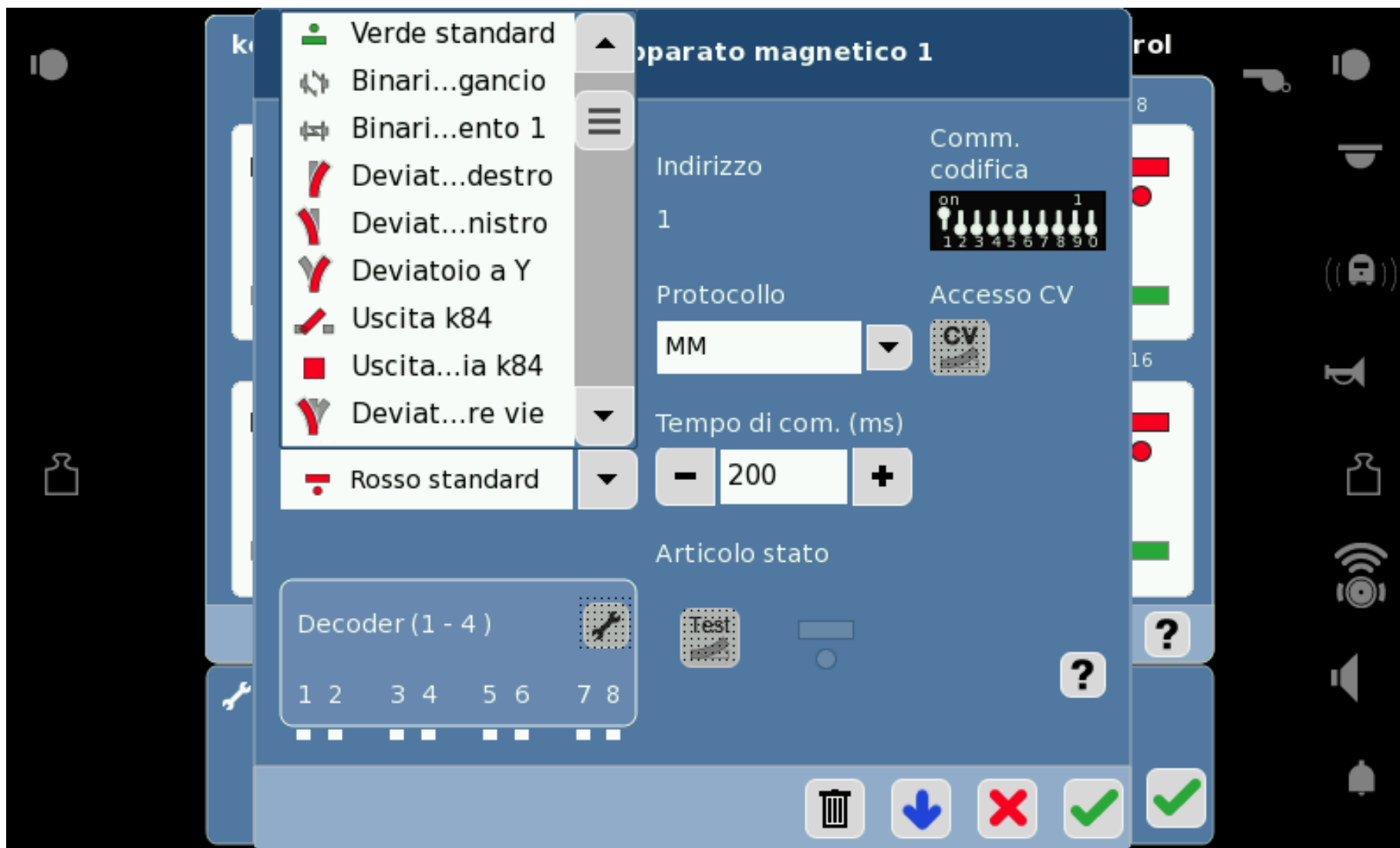
- Navigation Tabs:** 'keyboard', 'layout', 'memory', 'setup', and 'control' (with a clock icon).
- Keyboard Grid:** A 2x8 grid of keys labeled 2033 through 2048. Each key has a red bar at the top and a green bar at the bottom, with a red dot in the center.
- Bottom Bar:** A row of controls including a wrench icon, left and right arrows, and numbers 121 through 128. A question mark icon is on the far right.
- Locomotive Selection:** Two buttons at the bottom, each with a left and right arrow and a locomotive image. The first is labeled '323 092-7' and the second is labeled 'Lok'.
- Right Side Panel:** A vertical column of function key labels (F8-F12) and a volume icon.

# Keyboard





# Keyboard



### 🔧 Configurazione di apparato magnetico 1

Nome

Indirizzo

Comm. codifica

Tipo di Decoder

Protocollo

Accesso CV

Tipo

Tempo di com. (ms)

Articolo stato

Decoder (1 - 4)

12345678

#### Aiuto ✖

83,  
aux sorties 3 et 4.

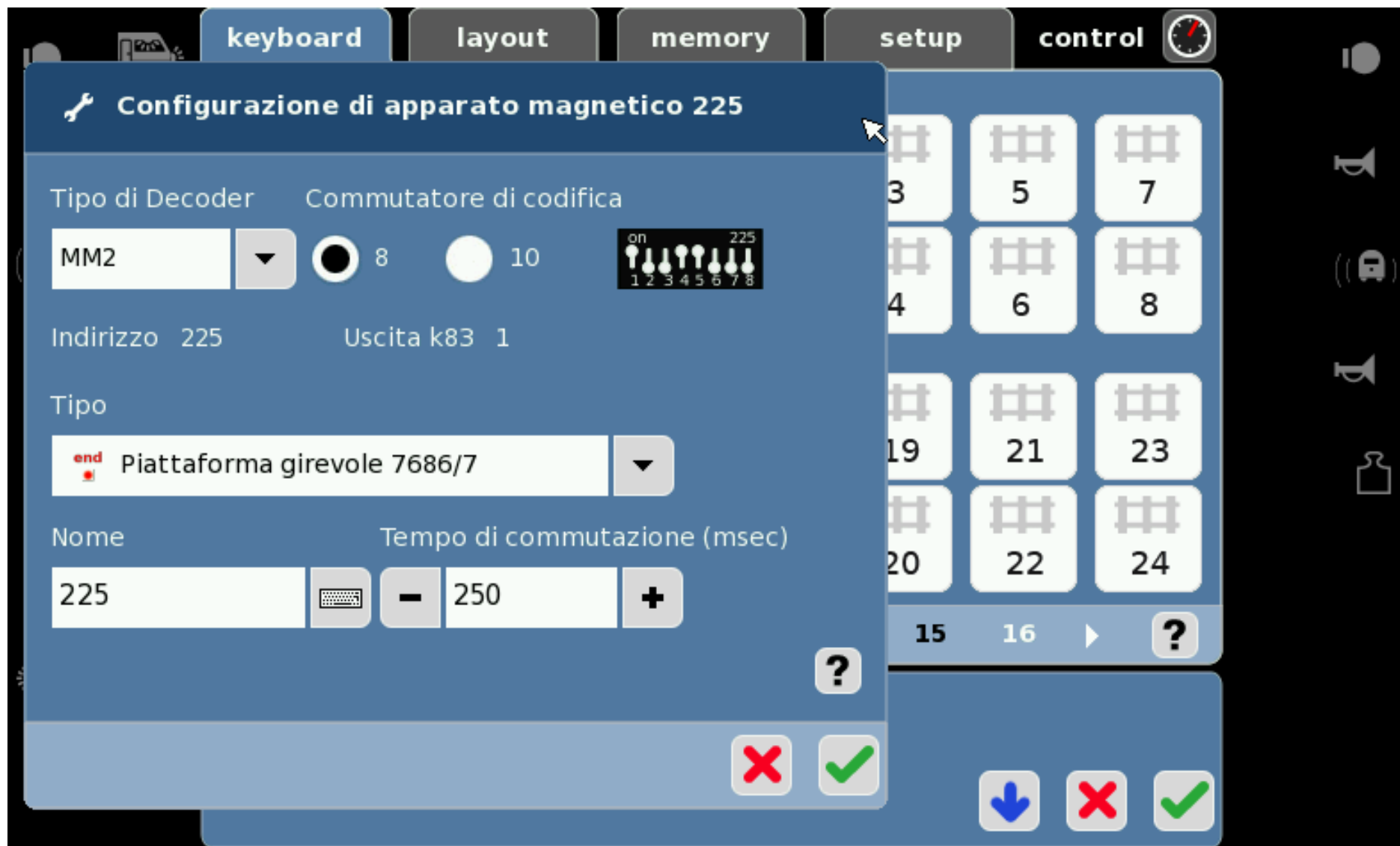
decoder k 83

[tour](#)

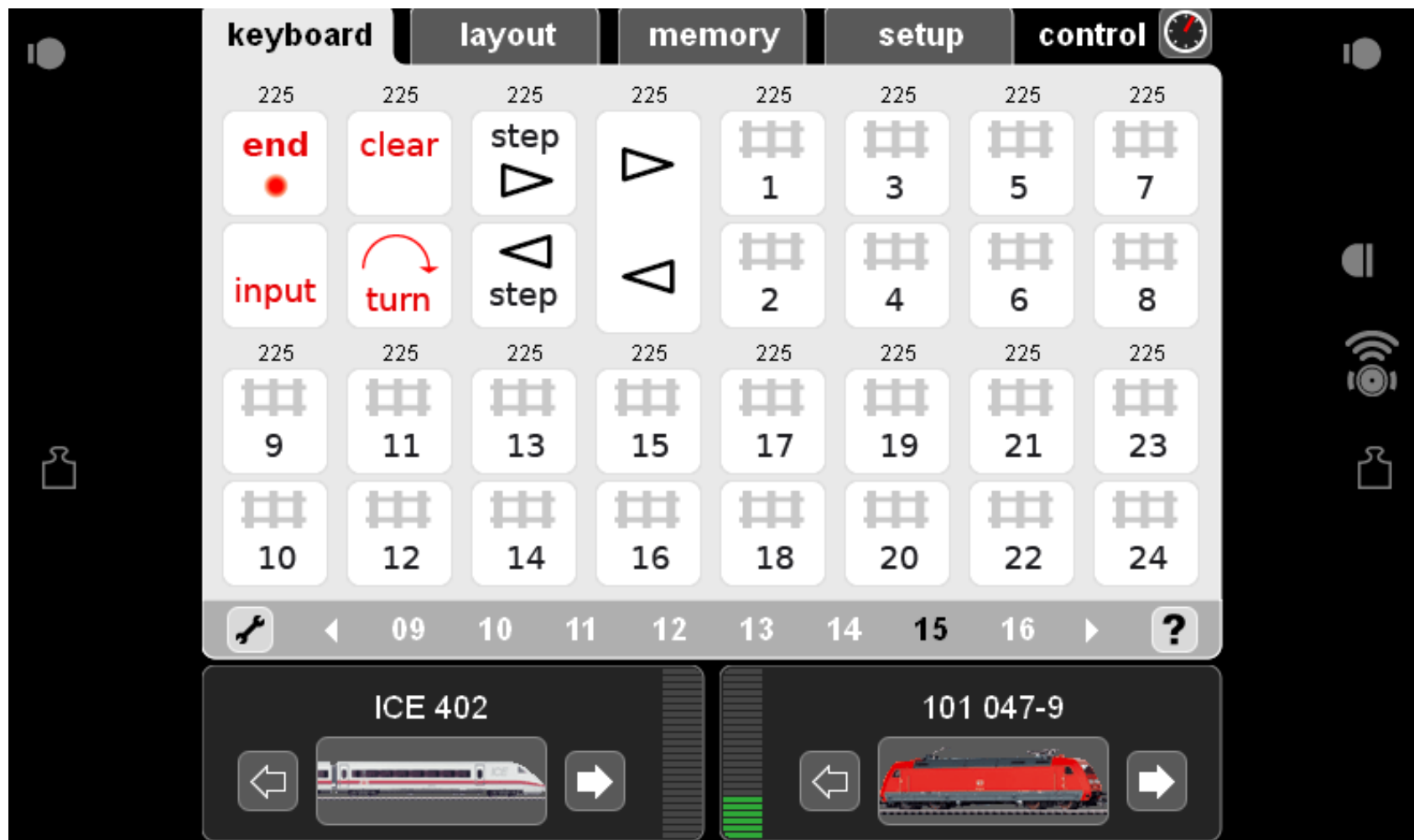


# Keyboard Configurazione

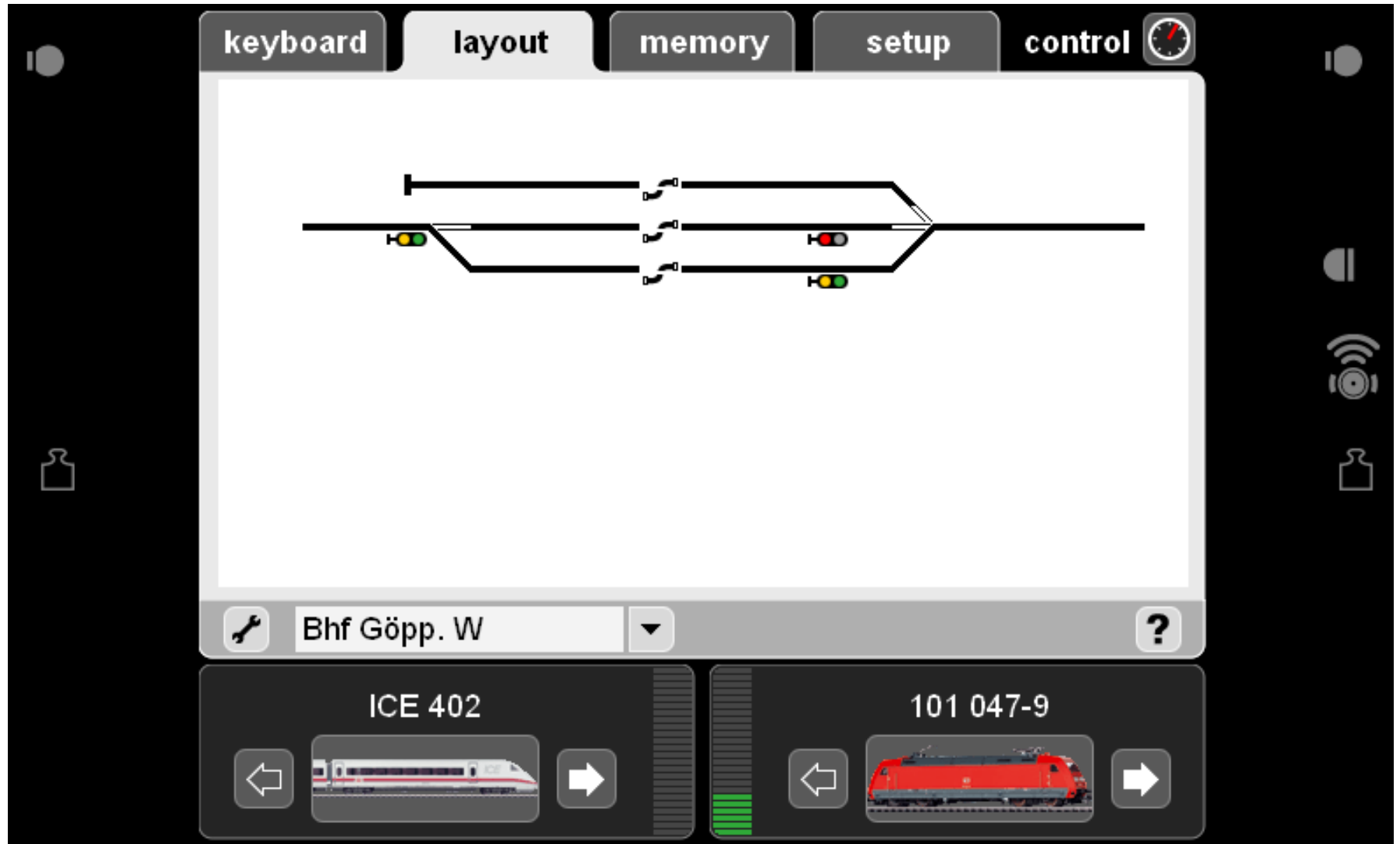
Standard	Deviatoio inglese con 2	Ponte trasbordatore con k84
Rosso standard	Deviatoio inglese	Piattaforma girevole con k84
Verde standard	Segnale luminoso HP0/1	Piattaforma girevole 7686/7
Binario di sgancio	Segnale luminoso HP0/2	Luce_1
Binario di sgancio scala	Segnale luminoso HP0/3	Luce_2
Deviatoio destro	Segnale luminoso HP0/4	Luce_3
Deviatoio sinistro	Segnale luminoso SH0/1	Luce_4
Deviatoio a Y	Segnale ad ala HP0/1	Luce_5
Uscita k84	Segnale ad ala HP0/2	Croce di S. Andrea
Uscita doppia k84	Segnale ad ala HP0/1/2	Barriera ferroviaria
Deviatoio a tre vie	Deviatoio a tre vie	Deviatoio a tre vie



# Keyboard Piattaforma girevole



# Layout



# Layout

The screenshot shows the Märklin software interface for editing a layout. At the top, there are tabs for 'keyboard', 'layout', 'memory', 'setup', and 'control'. The 'layout' tab is active, displaying a grid with columns 0-22 and rows 0-11. A black line represents a track layout on the grid. A context menu is open over the grid, listing options: 5Vilshofen, 6Radebeul, 7GBS DD Hbf, 8GBS Radebeul (highlighted), 9Steglitz GBS, Infotganlage, Layout 0, Layout 3, Nuovo, and Cancella. Below the menu, the text '8GBS Radebeul' is visible. At the bottom, there is a 'Configurazione layout' section with a text field containing '8GBS Radebeul' and a keyboard icon. To the right of the text field are directional arrow keys and three buttons: a blue arrow pointing down, a red 'X', and a green checkmark. On the far right, there is a vertical toolbar with various icons for zooming, panning, and other layout functions.



# Layout

The screenshot displays the Märklin software interface for configuring a track layout. At the top, there are five tabs: "keyboard", "layout" (which is selected), "memory", "setup", and "control". The main workspace is a grid with columns numbered 0 to 22 and rows numbered 0 to 11. A track layout is drawn on the grid, featuring a signal on the left, a track branching into three parallel tracks, and a track merging back into one. A signal on the right has a red light lit. Below the grid, there is a dropdown menu showing "Bhf Göpp. W" and several icons for navigation and actions. At the bottom, a "Configuration layout" panel shows the name "Nom" and "Bhf Göpp. W" with a keyboard icon, and three buttons: a download icon, a red "X" (cancel), and a green checkmark (confirm). On the right side, a vertical toolbar contains various icons for track types (straight, curved, crossing), signals, and other layout elements.

# Layout

**Aiuto** ✖

Sont disponibles les éléments suivants :

- élément de voie droit
- croisement de voies
- croisement de voies avec pont
- fin de voie (butoir)
- voie oblique
- deux voies obliques parallèles
- entrée ou sortie de tunnel
- aiguillage à gauche
- aiguillage à droite
- aiguillage triple
- aiguillage en Y
- traversée-jonction double (TJD)

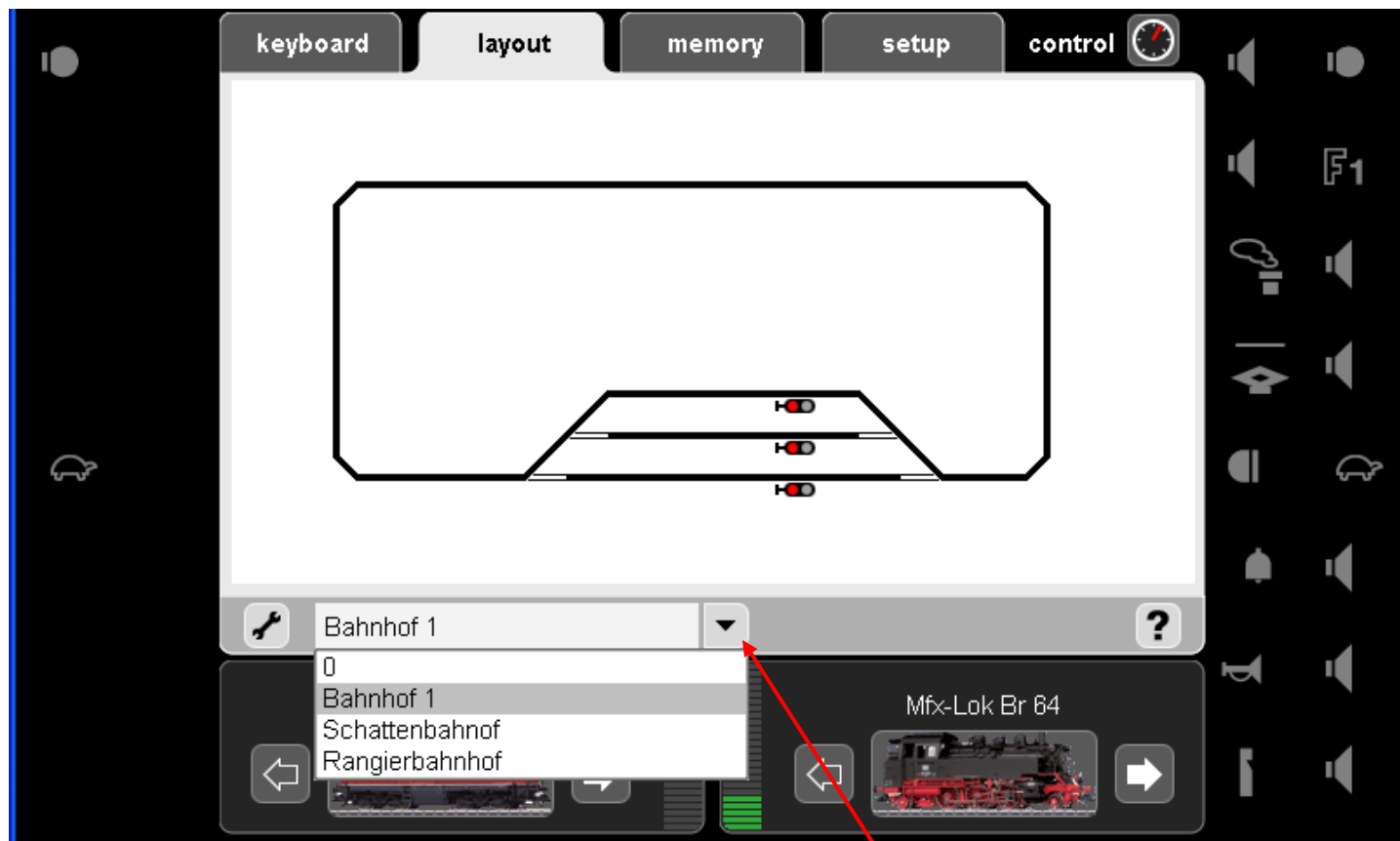
**Aiuto** ✖

- contact (S 88)
- raccordement à un autre schéma des voies
- Insertion d'un article électromagnétique

Sur le bord inférieur de l'écran, d'autres boutons de commande permettent de modifier les éléments dans le schéma des voies. Sont disponibles les outils suivants :

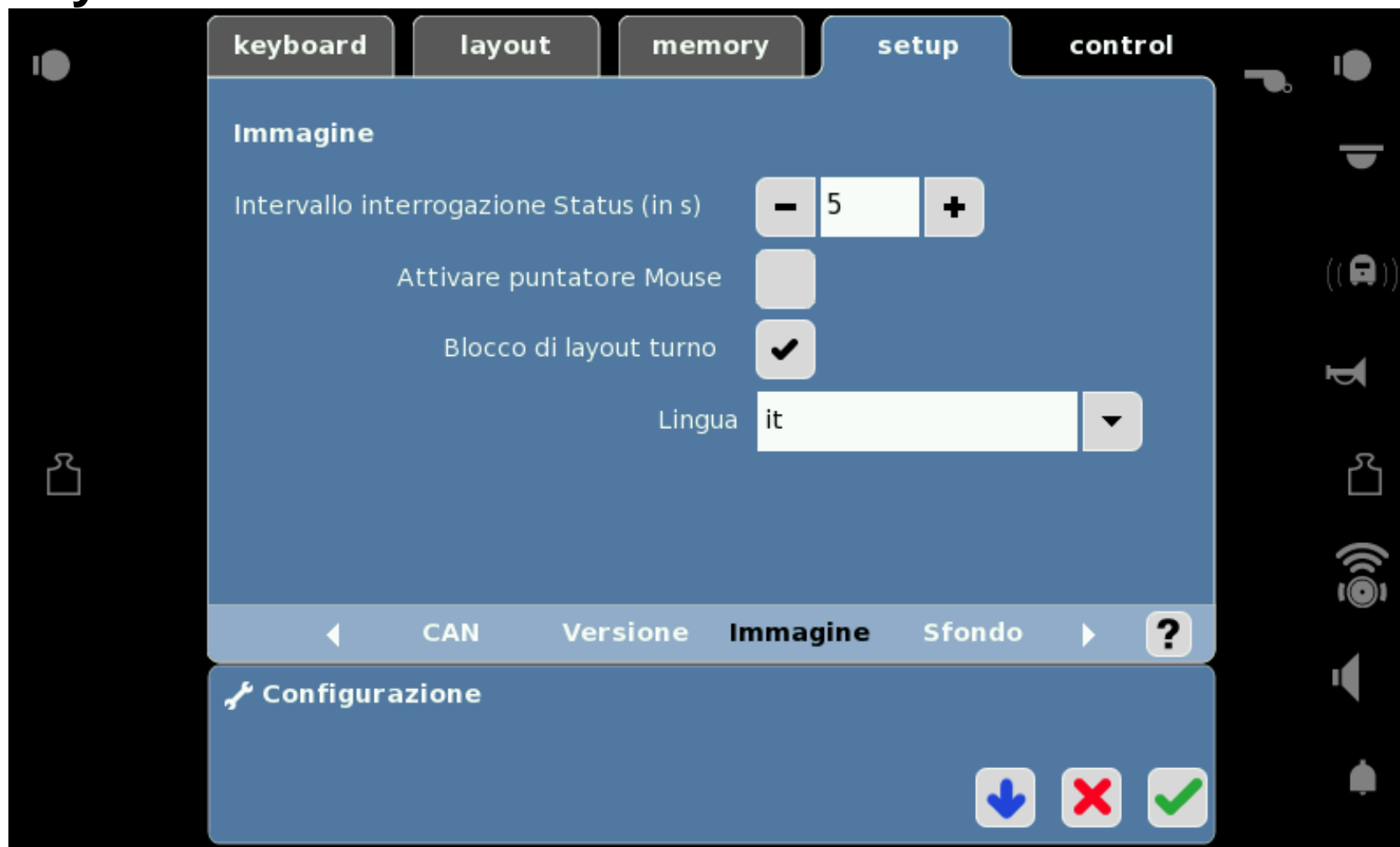
- Insérer ou modifier texte
- Supprimer des éléments
- Configuration d'un élément
- Faire pivoter l'élément de 90° dans le sens inverse des aiguilles d'une montre

# Layout – Schema binari

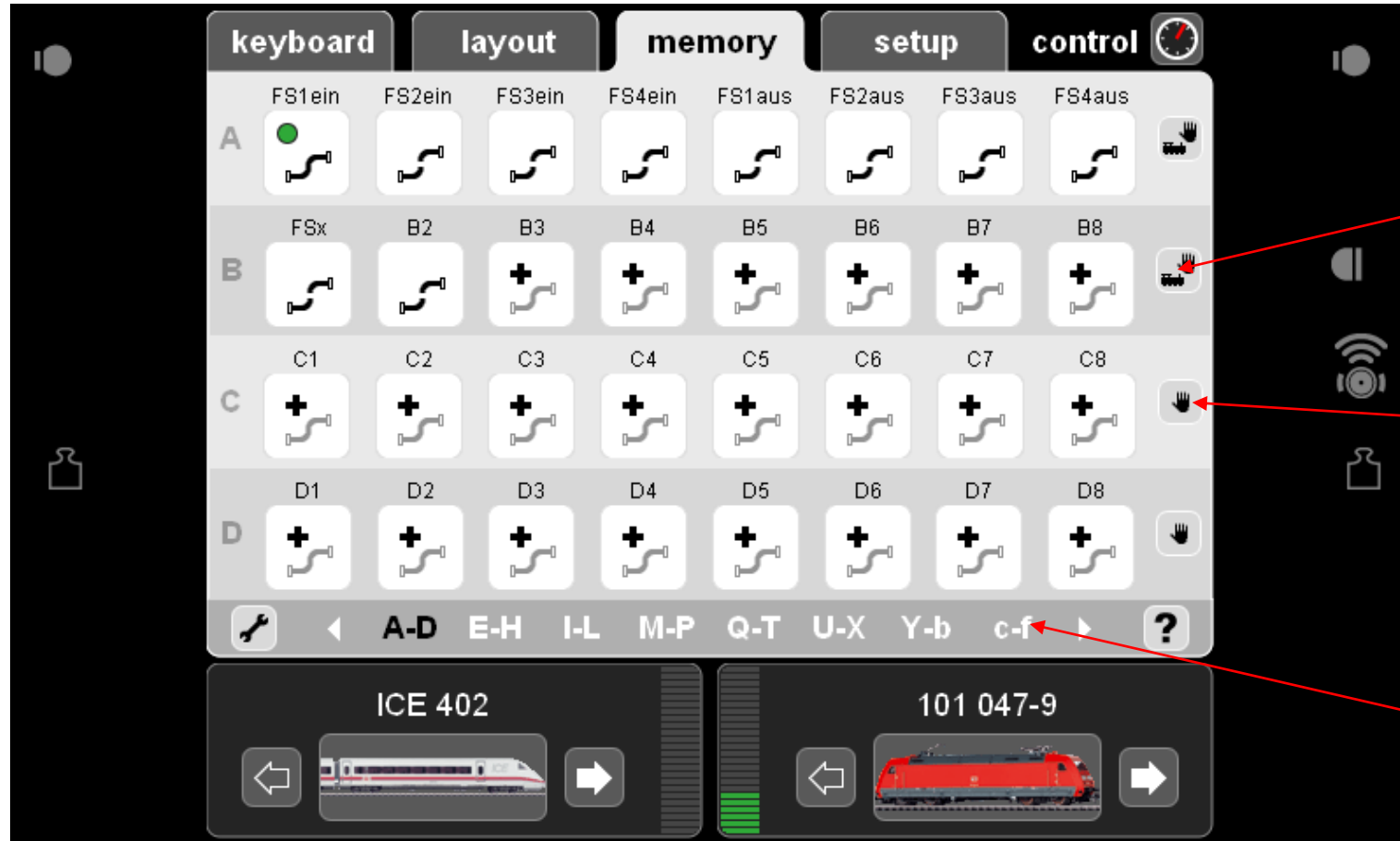


Si possono creare più pagine di Layout

# Layout – Schema binari



# Memory



keyboard		layout		memory		setup		control	
A1	A2	Fahrst. 3	Fahrst.4	Fahrst 5	A6	A7	A8		
A	[+]	[+]	[+]	[+]	[+]	[+]	[+]	[Hand]	
B1	B2	B3	B4	B5	B6	B7	B8		[Hand]
B	[+]	[+]	[+]	[+]	[+]	[+]	[+]	[Hand]	
C1	C2	C3	C4	C5	C6	C7	C8		[Hand]
C	[+]	[+]	[+]	[+]	[+]	[+]	[+]	[Hand]	
D1	D2	D3	D4	D5	D6	D7	D8		[Hand]
D	[+]	[+]	[+]	[+]	[+]	[+]	[+]	[Hand]	
◀ A-D E-H I-L M-P Q-T U-X Y-b c-f ▶ ?									
🔧 Configurazione memory A1									
	Nome	S88 Mod:- Cont:-		Ein	Gerät				
A1	A1	[Keyboard]	- 0	[+]	[✓]	[...]	[↓]	[✗]	[✓]
[Trash]									

Potete aggiungere qui un itinerario. Potete però anche aggiungere un apparato magnetico tramite la Keyboard oppure il quadro sinottico dei binari.

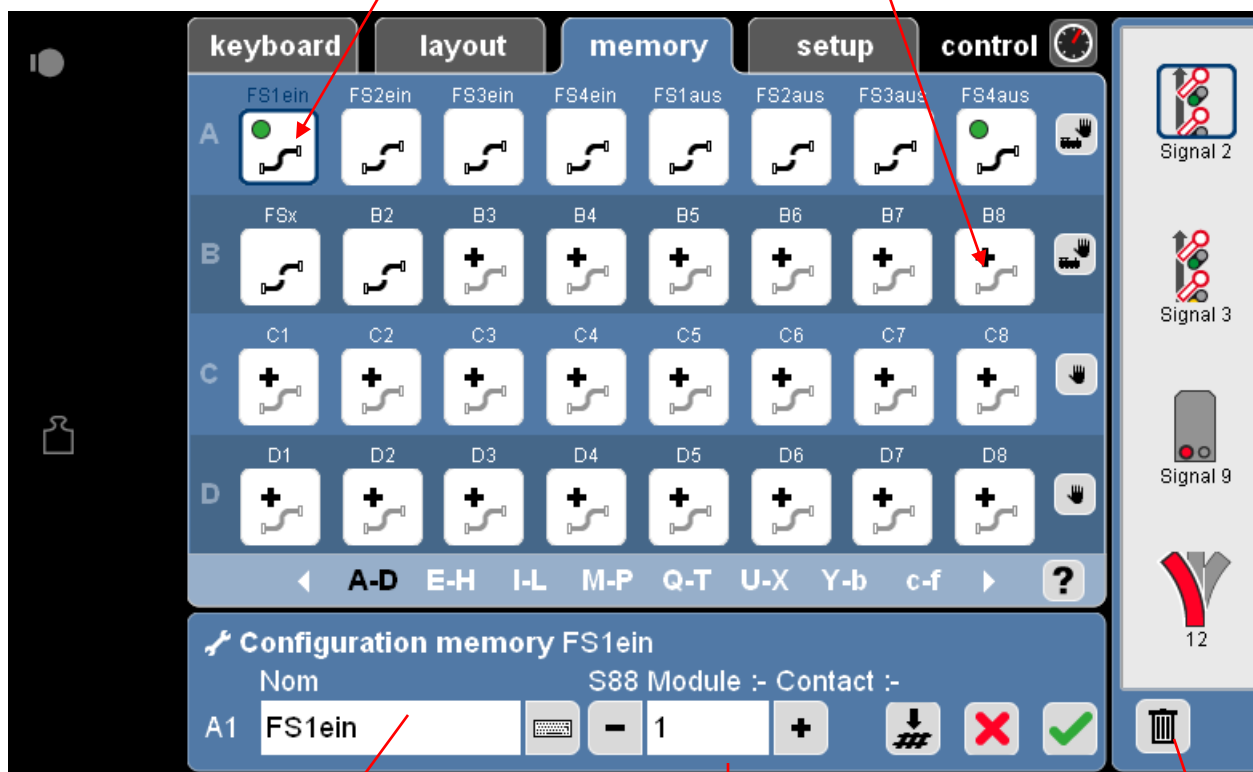
# Memory

The screenshot shows the 'memory' configuration screen in the Märklin digital command station software. The interface is divided into several sections:

- Navigation Tabs:** keyboard, layout, **memory** (selected), setup, control.
- Memory Grid:** A 4x4 grid of 16 slots, numbered 1 to 16. Each slot contains an icon representing a keyboard (e.g., slot 1, 3, 5, 7, 9, 11, 13, 15) or a track piece (e.g., slot 2, 4, 6, 8, 10, 12, 14, 16). A mouse cursor is hovering over slot 9.
- Bottom Navigation:** A row of buttons labeled 01 through 08, with a left arrow, a right arrow, and a question mark icon.
- Configuration Panel:** A blue bar at the bottom titled 'Configurazione memory A1'. It contains the following fields and controls:
  - Nome:** A1
  - S88 Mod:** 1
  - K:** 1
  - Ein:** A checkmark icon.
  - Gerät:** A keyboard icon.
  - Address:** A field containing the number 1, with minus and plus buttons on either side.
  - Actions:** A blue arrow pointing down, a red X, and a green checkmark.
- Right Panel:** A vertical sidebar on the right showing a list of track pieces (10, 12, 14, 16) and a keyboard icon (9) which is highlighted with a blue border.

# Memory

- Itinerario di marcia configurato
- Itinerario di marcia libero



denominazione

•Contatto di un s88

•Cancellazione di un elemento selezionato



# Memory

keyboard layout **memory** setup control

A	FS1ein	FS2ein	FS3ein	FS4ein	FS1aus	FS2aus	FS3aus	FS4aus	
B	FSx	B2	B3	B4	B5	B6	B7	B8	
C	C1	C2	C3	C4	C5	C6	C7	C8	
D	D1	D2	D3	D4	D5	D6	D7	D8	

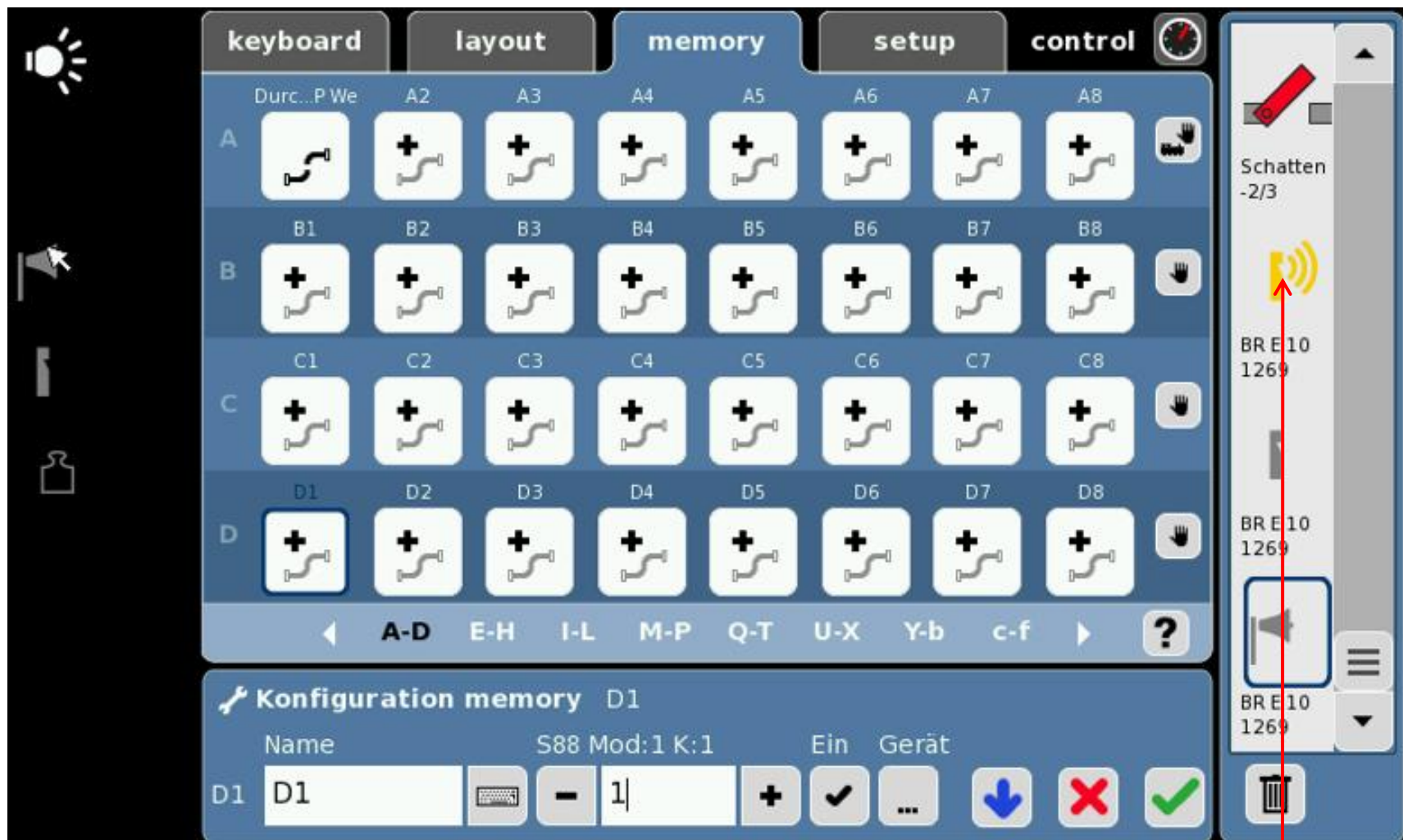
← A-D E-H I-L M-P Q-T U-X Y-b c-f → ?

Configuration memory FS1ein  
Nom S88 Module :- Contact :-  
A1 FS1ein [Keyboard] - 1 + [Download] [Delete] [Confirm] [Trash]

Signal 2  
Signal 3  
Signal 9  
12

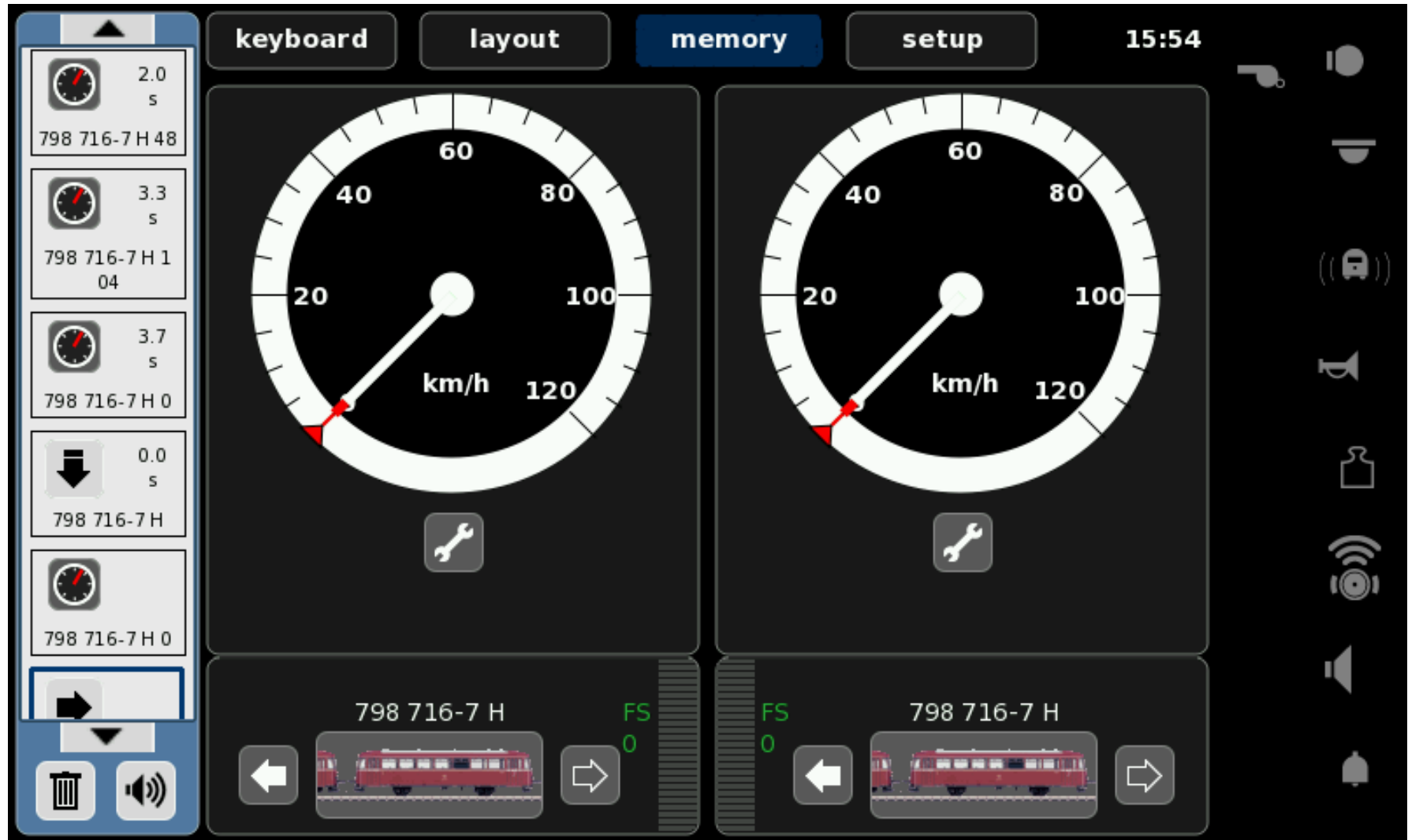
- In un itinerario di marcia possono venire incorporati degli itinerari di marcia
- già disponibili

# Memory



**training** • Le funzioni delle locomotive si possono commutare anche tramite il Memory

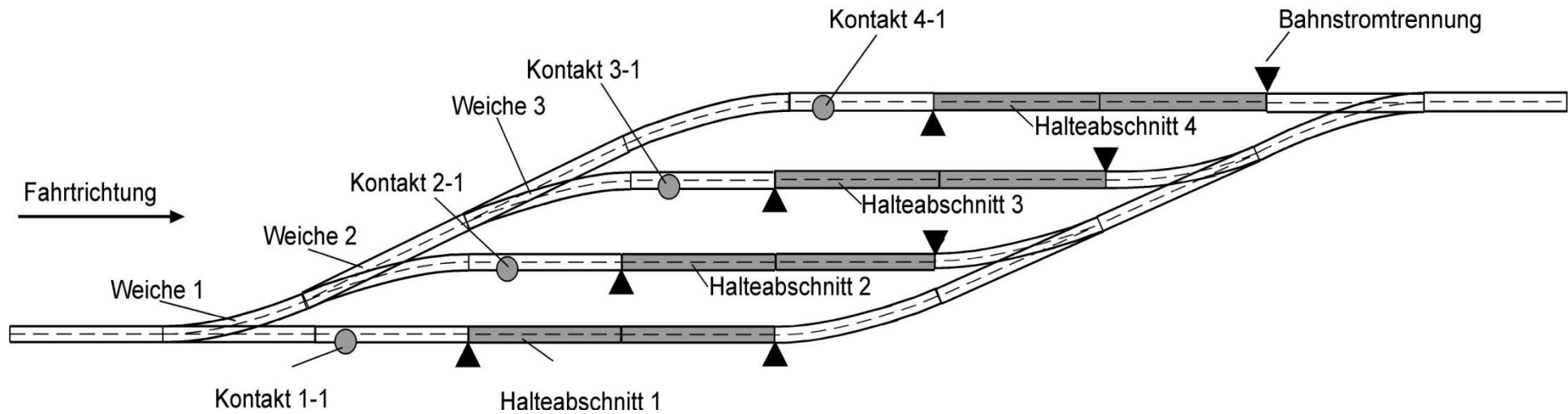
# Memory



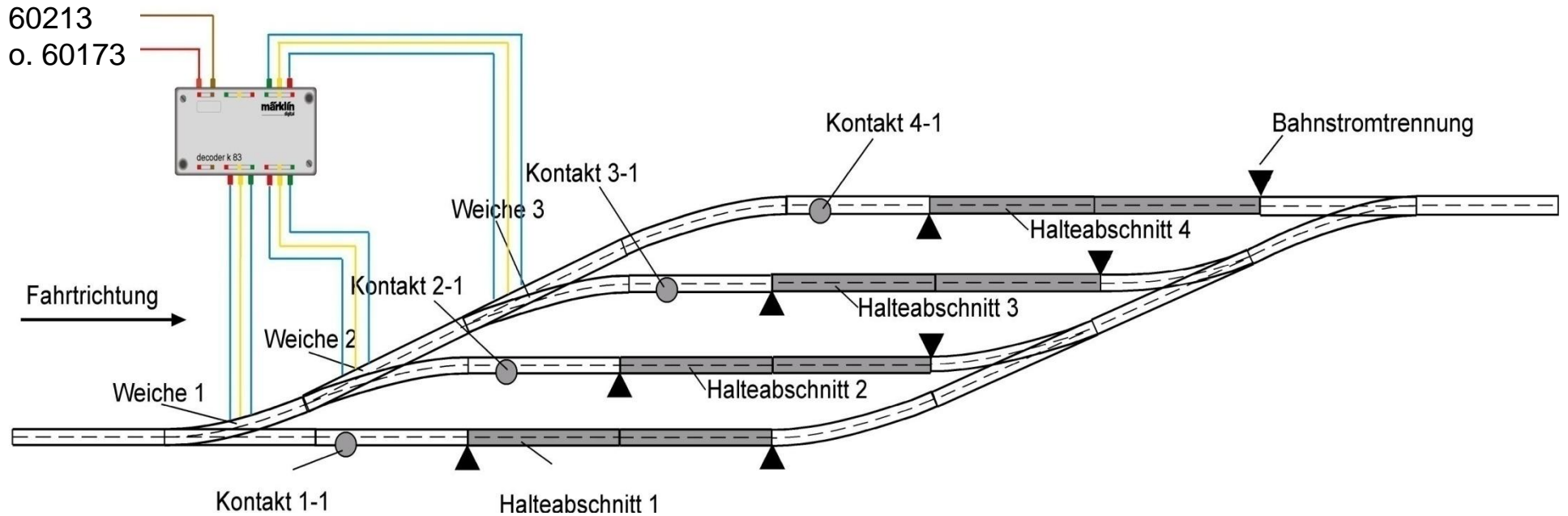
# Memory

The screenshot displays the 'memory' configuration screen in the Märklin software. It features a grid of memory slots organized into four rows (A, B, C, D) and eight columns (1-8). The 'C1' slot is currently selected and highlighted with a blue border. Each slot contains a keyboard icon, a green dot, or a plus sign. Below the grid is a navigation bar with labels: A-D, E-H, I-L, M-P, Q-T, U-X, Y-b, c-f, and a question mark icon. At the bottom, the 'Configurazione memory C1' panel is visible, showing a text field with 'C1', a keyboard icon, minus and plus buttons, a 'Fl. più.' button, and a '+Testo' button. The right sidebar contains five status indicators, each with a gauge and a numerical value: 2.0 s, 3.3 s, 3.7 s, 0.0 s, and 0.0 s. Below these are icons for a right arrow, a trash can, and a speaker.

# Memory: Stazione nascosta

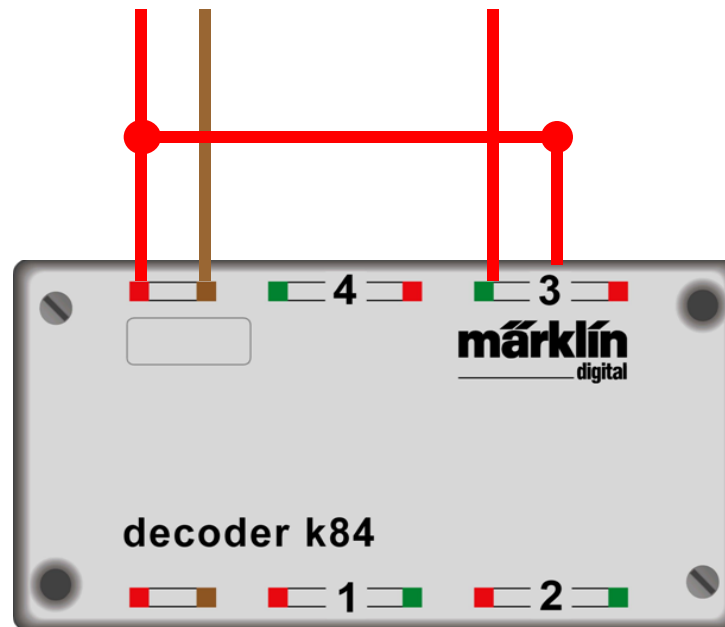


# Memory: Stazione nascosta

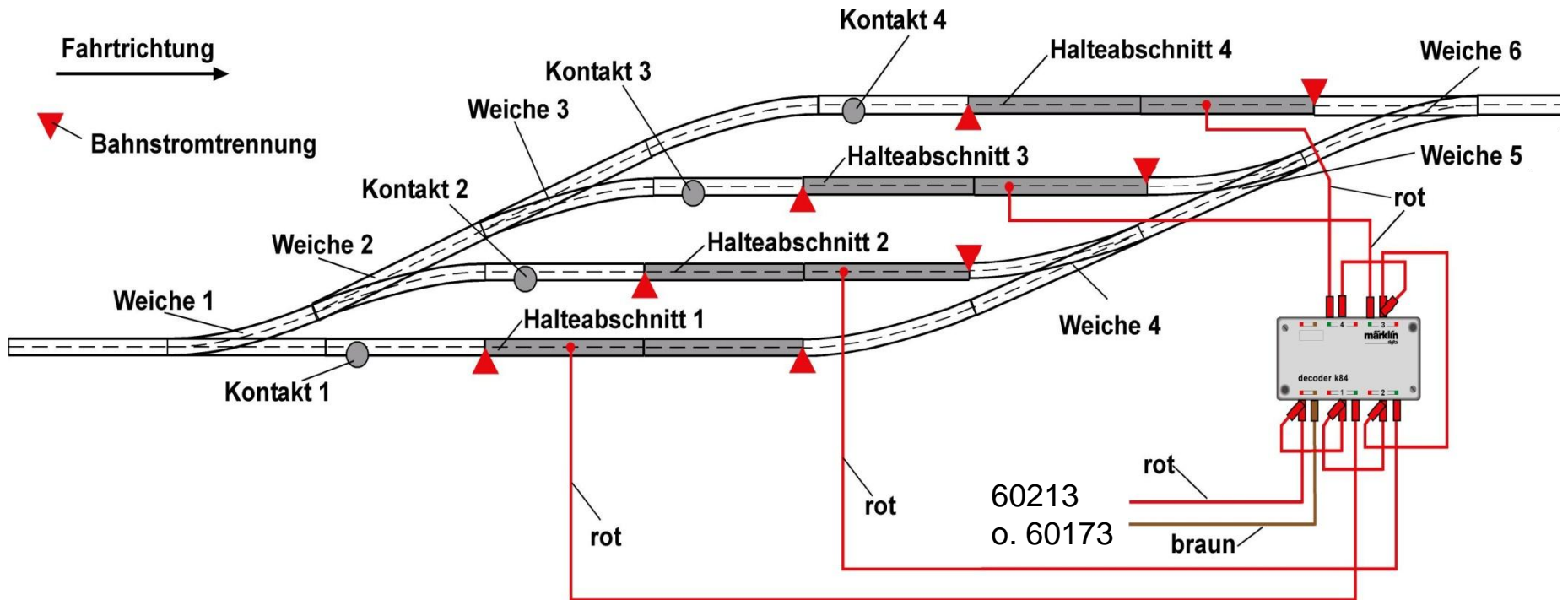


•Memory: 60840

•Central Station

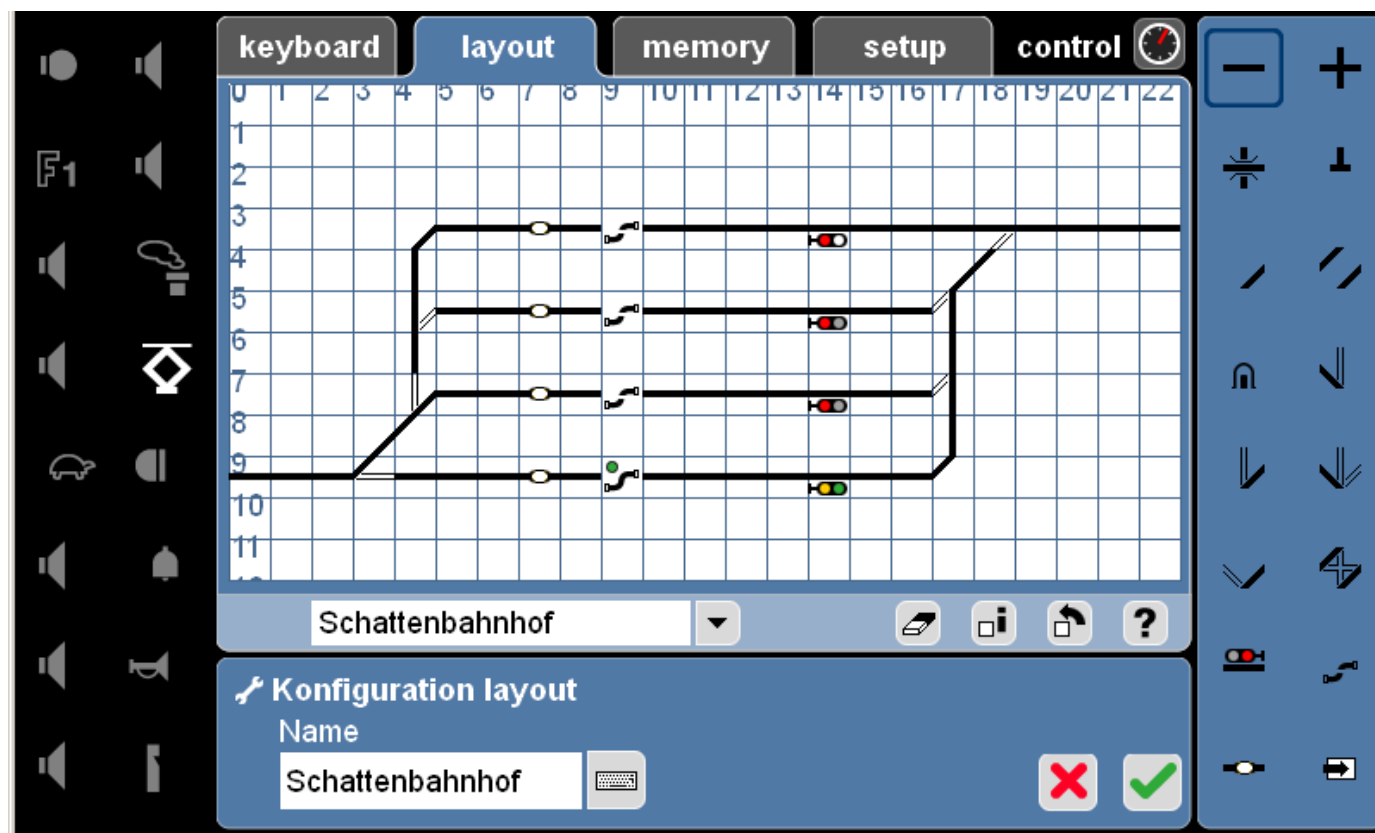


# Memory: Stazione nascosta

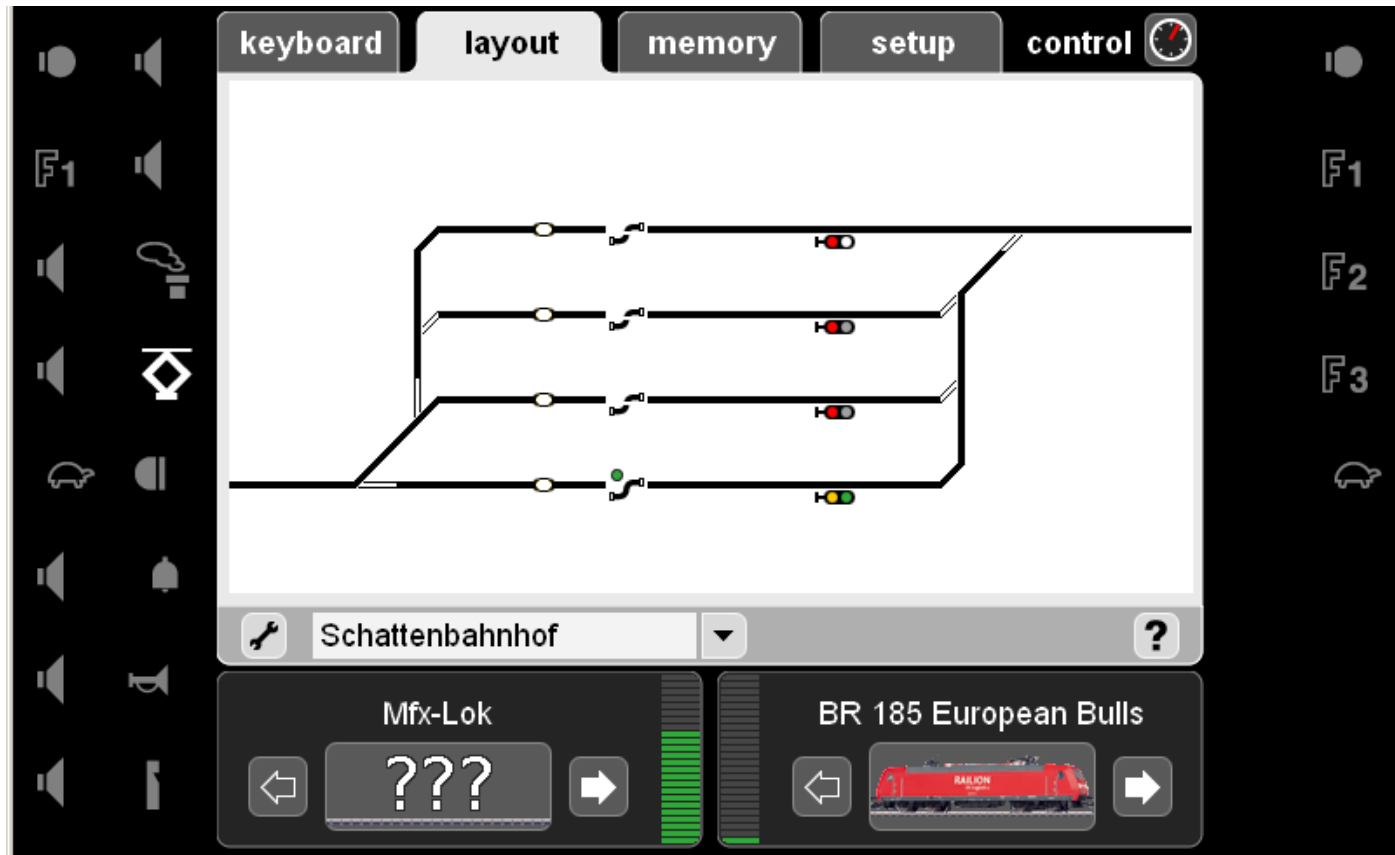




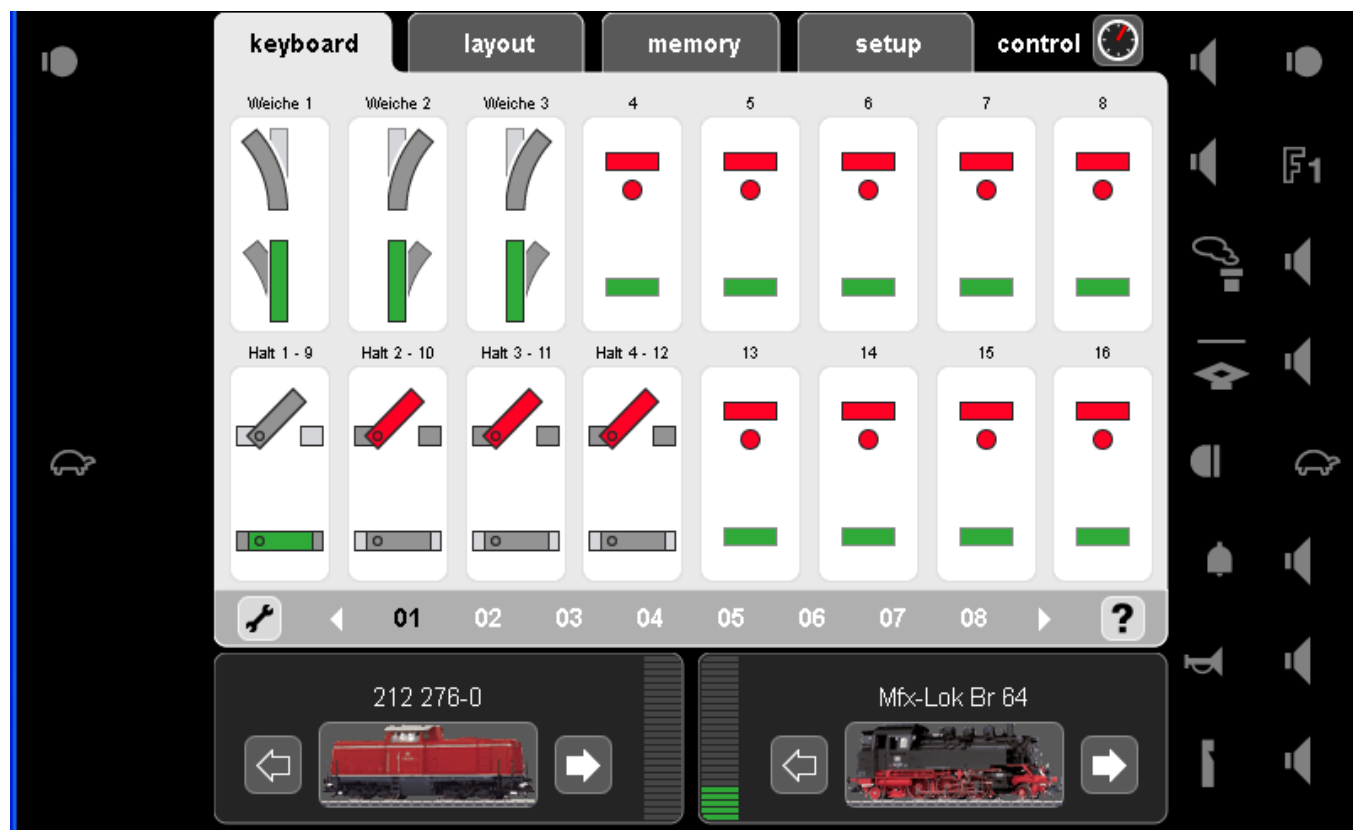
# Layout: Stazione nascosta



# Layout: Stazione nascosta



# Keyboard: Stazione nascosta



# Memory

The screenshot displays the 'memory' configuration screen in the Märklin digital command station software. The interface is organized into several sections:

- Navigation:** A top bar contains tabs for 'keyboard', 'layout', 'memory' (the active tab), 'setup', and 'control'.
- Memory Grid:** A central grid of 16 slots, labeled 'Weiche 1' through 'Weiche 3' and 'Halt 1-9' through 'Halt 4-12', '13' through '16'. Each slot contains a visual icon representing the track element to be stored in memory.
- Right Sidebar:** A vertical list of track elements, including 'Halt 1 - 9', 'Weiche 1', 'Weiche 2', and 'Halt 2 - 10', each with its corresponding icon.
- Configuration Panel:** At the bottom, a panel titled 'Konfiguration memory Gleis 1' allows for editing the memory slot. It shows:
  - Name: Gleis 1
  - S88 Modul: 1 Kontakt: 1
  - Slot ID: A1
  - Visual feedback: A keyboard icon, minus/plus buttons, and a green checkmark.

# Memory: Stazione nascosta

Itinerari 1

The screenshot displays the 'memory' configuration screen of a Märklin control system. It features a grid of track segments labeled A through D and 1 through 8. A red arrow points from the text 'Itinerari 1' to the 'Gleis 1' button in the grid. Below the grid is a configuration window for 'Gleis 1' with the following details:

- Name: Gleis 1
- S88 Modul: 1 Kontakt: 1

On the right side of the screen, there are icons for 'Halt 1 - 9', 'Weiche 1', 'Weiche 2', and 'Halt 2 - 10'.

# Memory: Stazione nascosta

memory

keyboard layout **memory** setup control

Gleis 1 Gleis 2 Gleis 3 Gleis 4 Block 5 Block 6 Block 7 A8

A

B1 B2 B3 B4 B5 B6 B7 B8

B

C1 C2 C3 C4 C5 C6 C7 C8

C

D1 D2 D3 D4 D5 D6 D7 D8

D

◀ A-D E-H I-L M-P Q-T U-X Y-b c-f ▶ ?

**Konfiguration memory Gleis 2**

Name S88 Modul:1 Kontakt:2

A2

Halt 2 - 10

Weiche 1

Weiche 2

Weiche 3

Halt 3 - 11

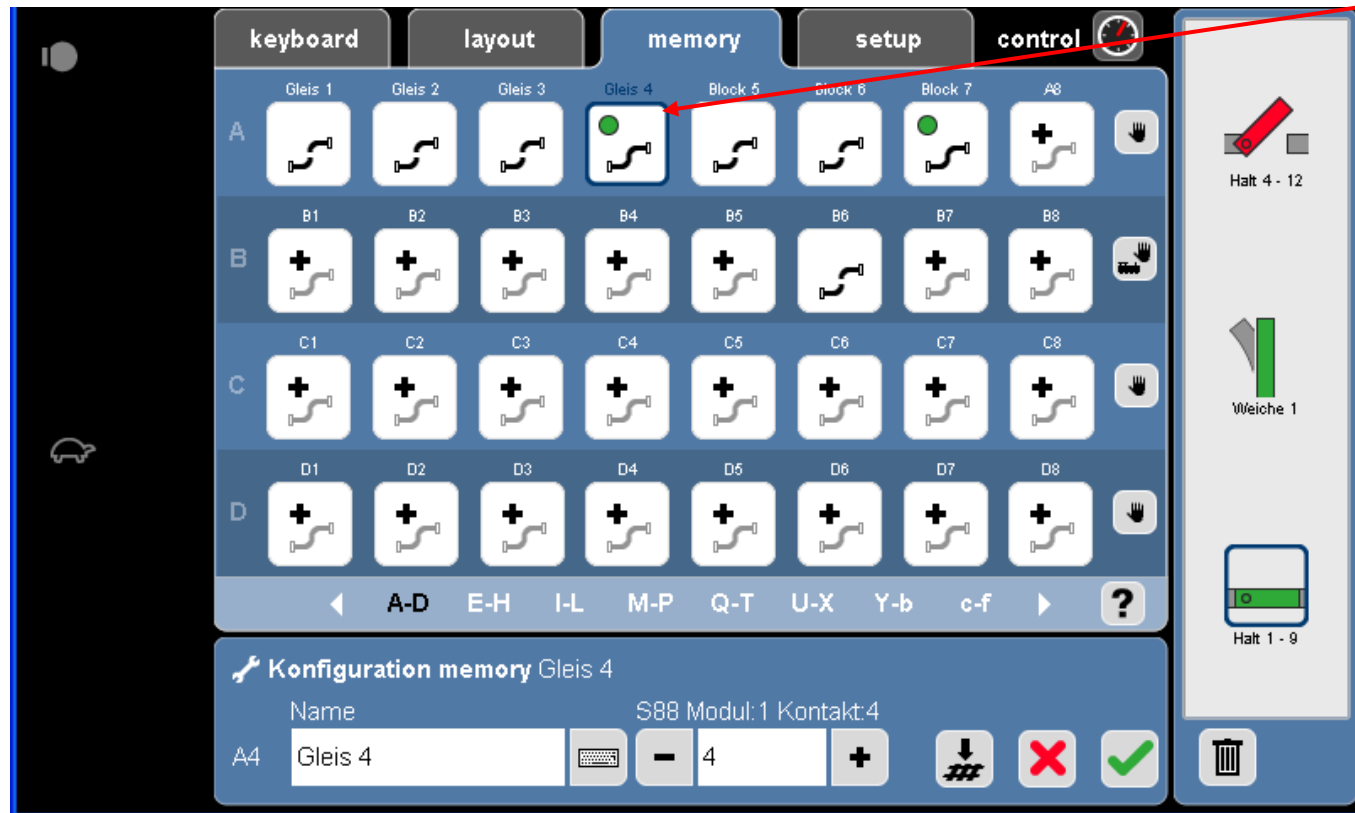
Itinerari 2:

# Memory: Stazione nascosta

Itinerari 3

The screenshot displays the 'memory' configuration screen in the Märklin TrainMaster software. The main area is a grid of track layout buttons. A red arrow points from the text 'Itinerari 3' to the 'Gleis 3' button in the top row. Below the grid is a navigation bar with labels A-D, E-H, I-L, M-P, Q-T, U-X, Y-b, c-f, and a question mark icon. At the bottom, a configuration panel for 'Konfiguration memory Gleis 3' shows the name 'A3 Gleis 3' and 'S88 Modul: 1 Kontakt: 3'. A right sidebar contains icons for 'Halt 3 - 11', 'Weiche 1', 'Weiche 2', 'Weiche 3', and 'Halt 4 - 12'.

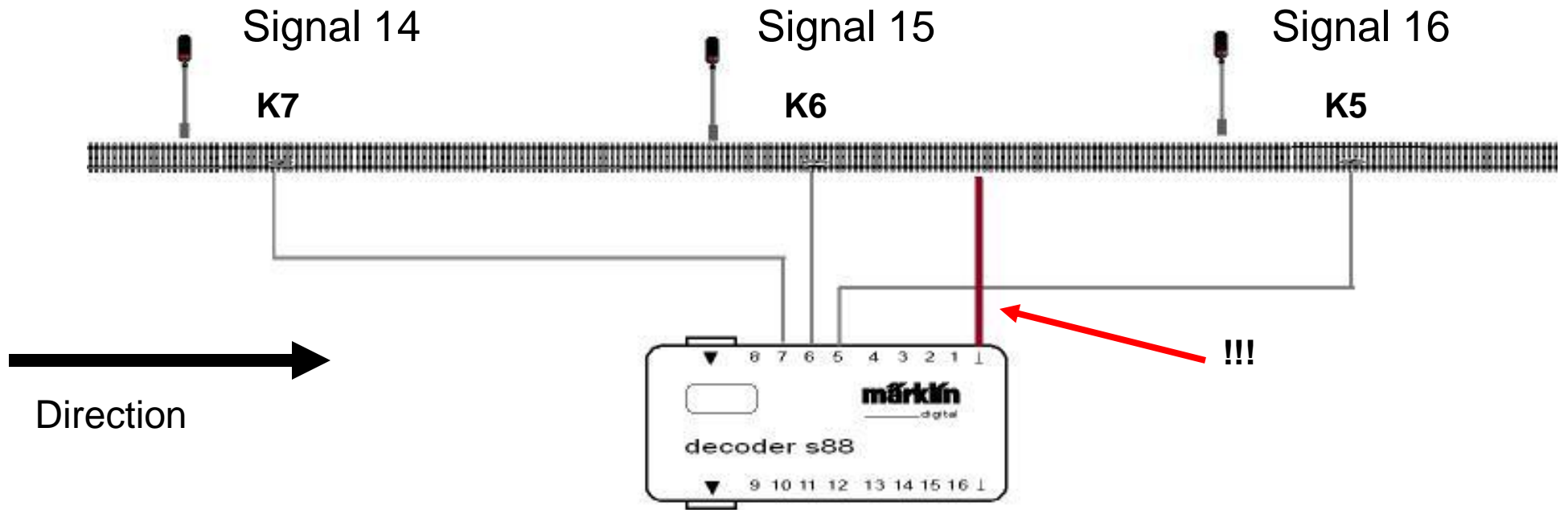
# Memory: Stazione nascosta



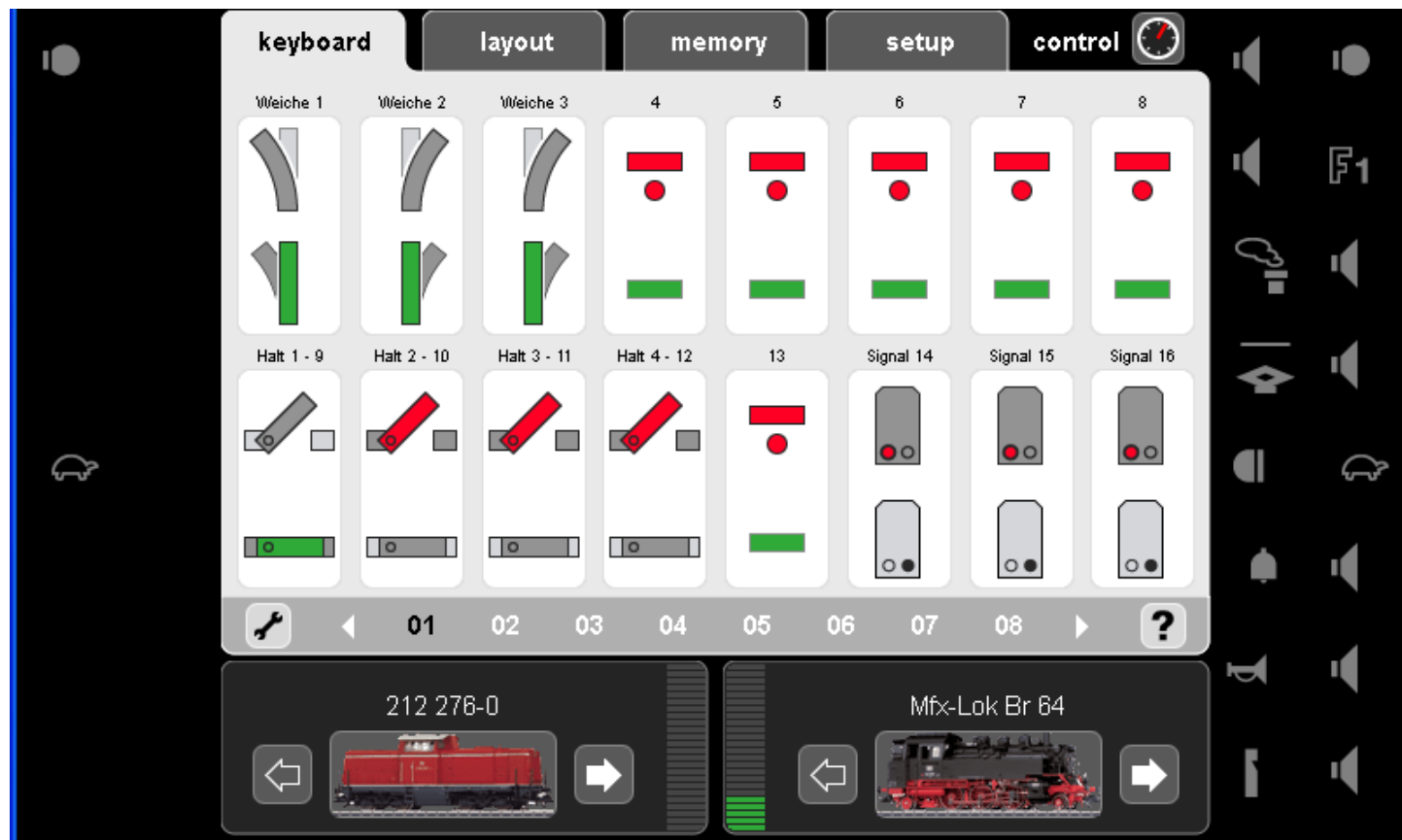
Itinerari 4



# Sistema di Blocco



# Sistema di Blocco



# Sistema di Blocco

The screenshot shows the 'memory' tab of a Märklin digital command station interface. It features a grid of buttons for track sections (A-D, Gleis 1-8) and a configuration panel at the bottom. A red arrow points from the 'A5' button in the 'A' row to the 'Signal 15' button in the right-hand panel.

**memory**

	Gleis 1	Gleis 2	Gleis 3	Gleis 4	A5	A6	A7	A8
A	[S-curve]	[S-curve]	[S-curve]	[S-curve]	[S-curve]	[+]	[+]	[+]
B	[+]	[+]	[+]	[+]	[+]	[S-curve]	[+]	[+]
C	[+]	[+]	[+]	[+]	[+]	[+]	[+]	[+]
D	[+]	[+]	[+]	[+]	[+]	[+]	[+]	[+]

Navigation: A-D E-H I-L M-P Q-T U-X Y-b c-f ?

**Konfiguration memory A5**

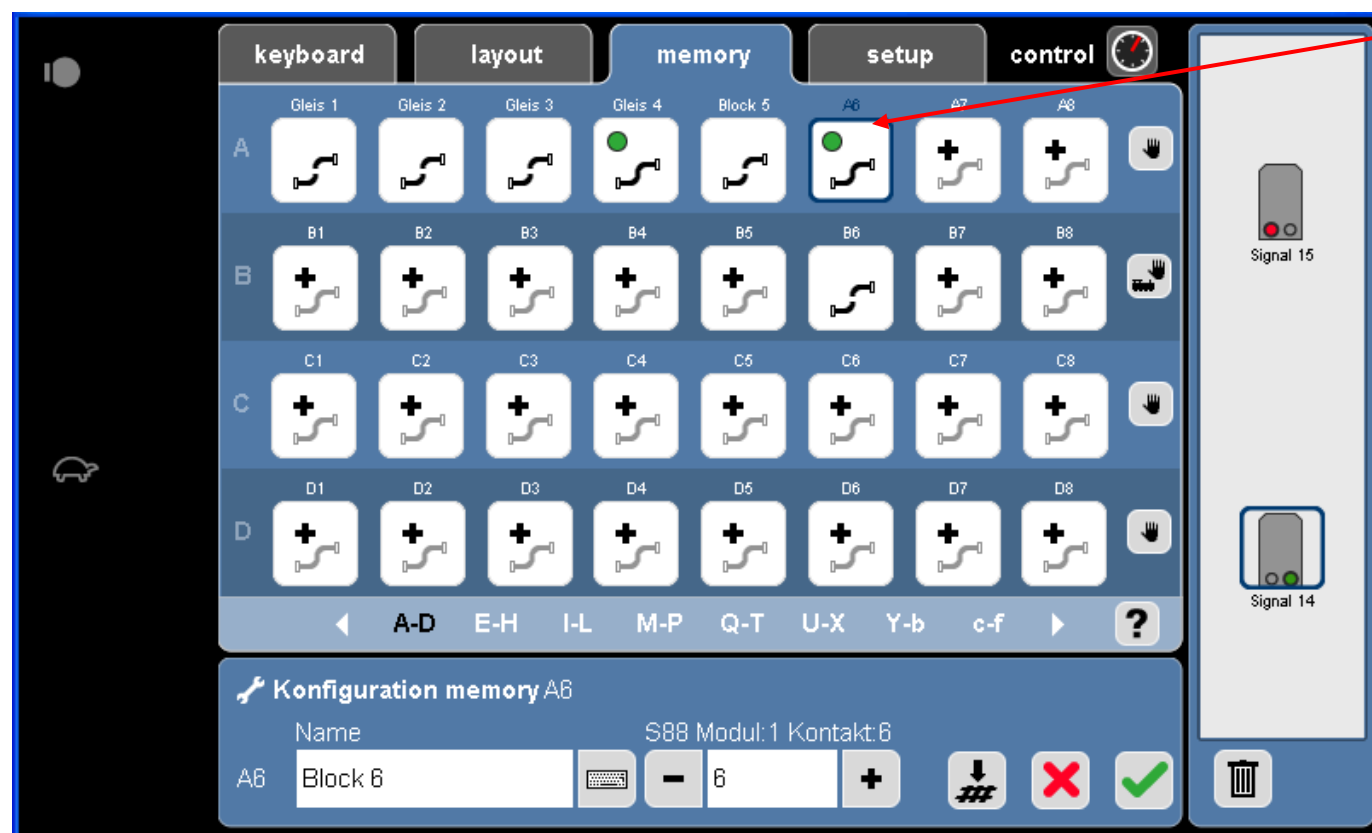
Name: S88 Modul: 1 Kontakt: 5

A5: Block 5

Buttons: [Keyboard icon] [-] 5 [+] [Download] [Cancel] [Confirm] [Trash]

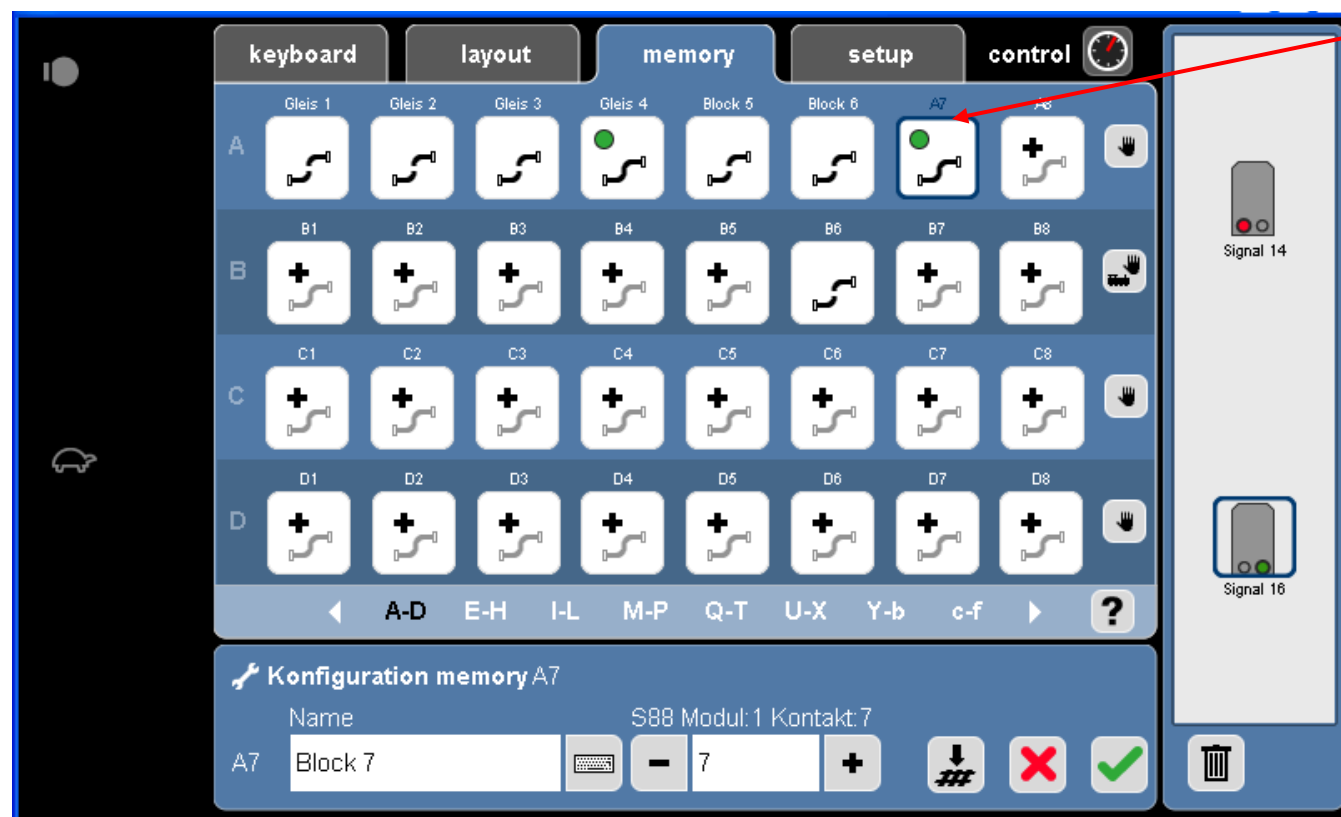
Blocco 5:

# Sistema di Blocco



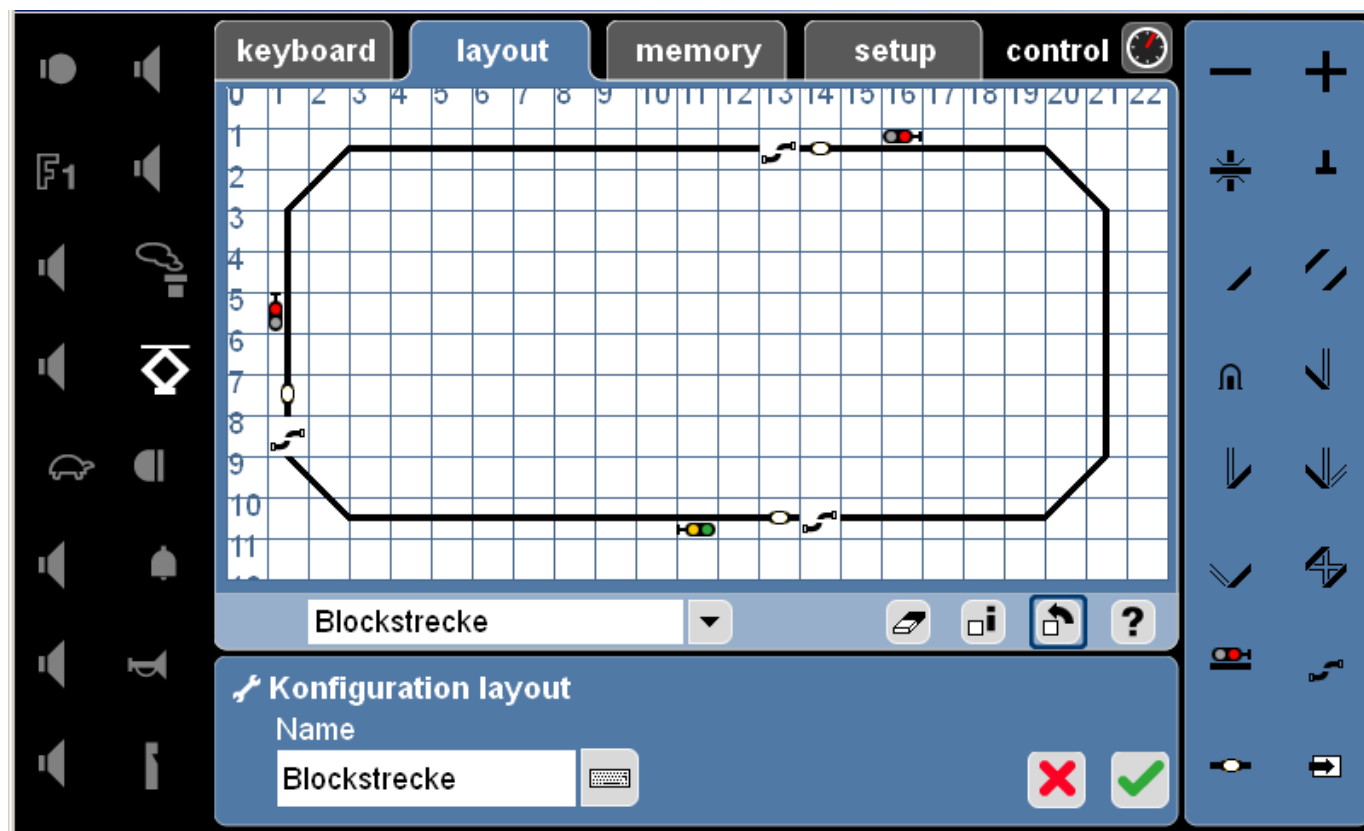
Blocco 6

# Sistema di Blocco

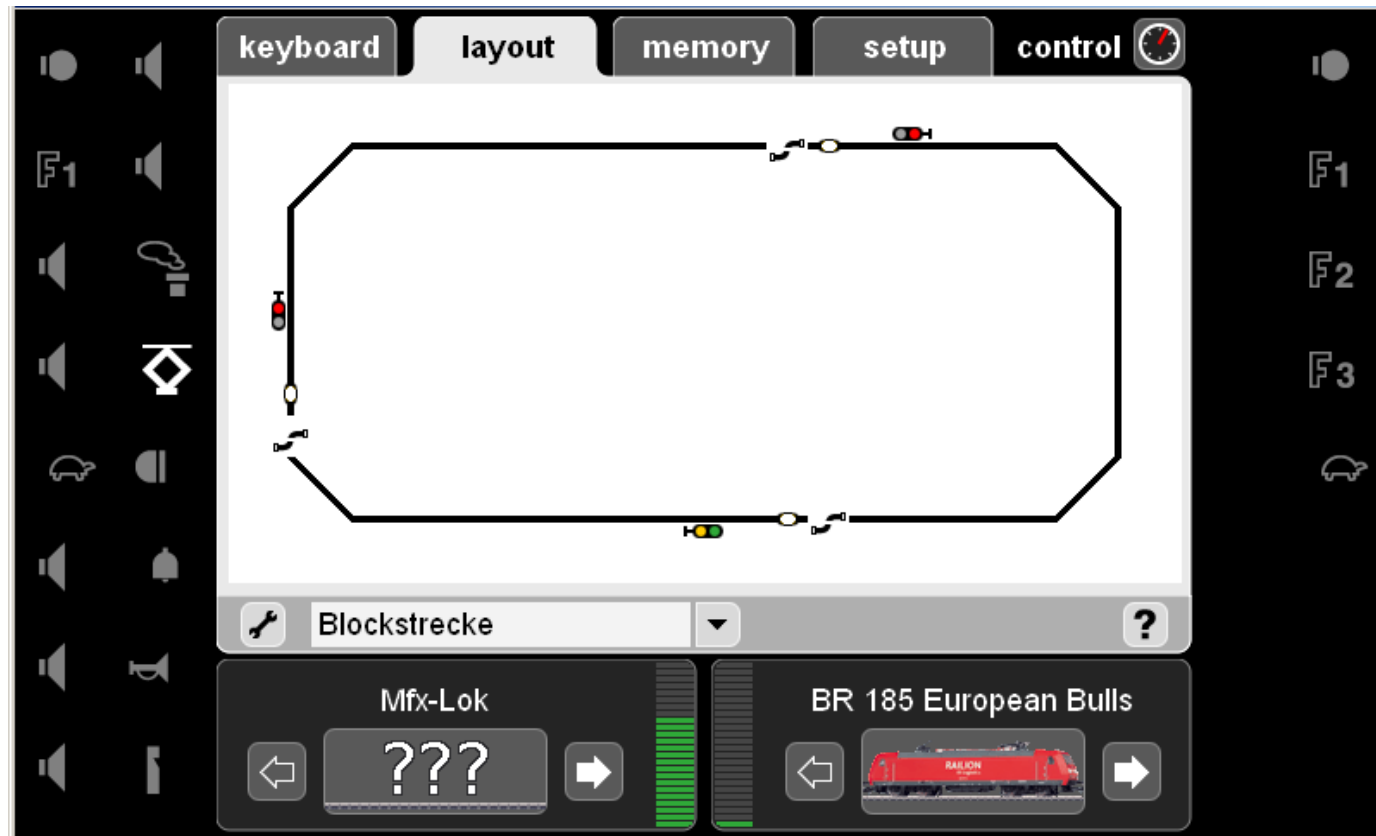


Blocco 7

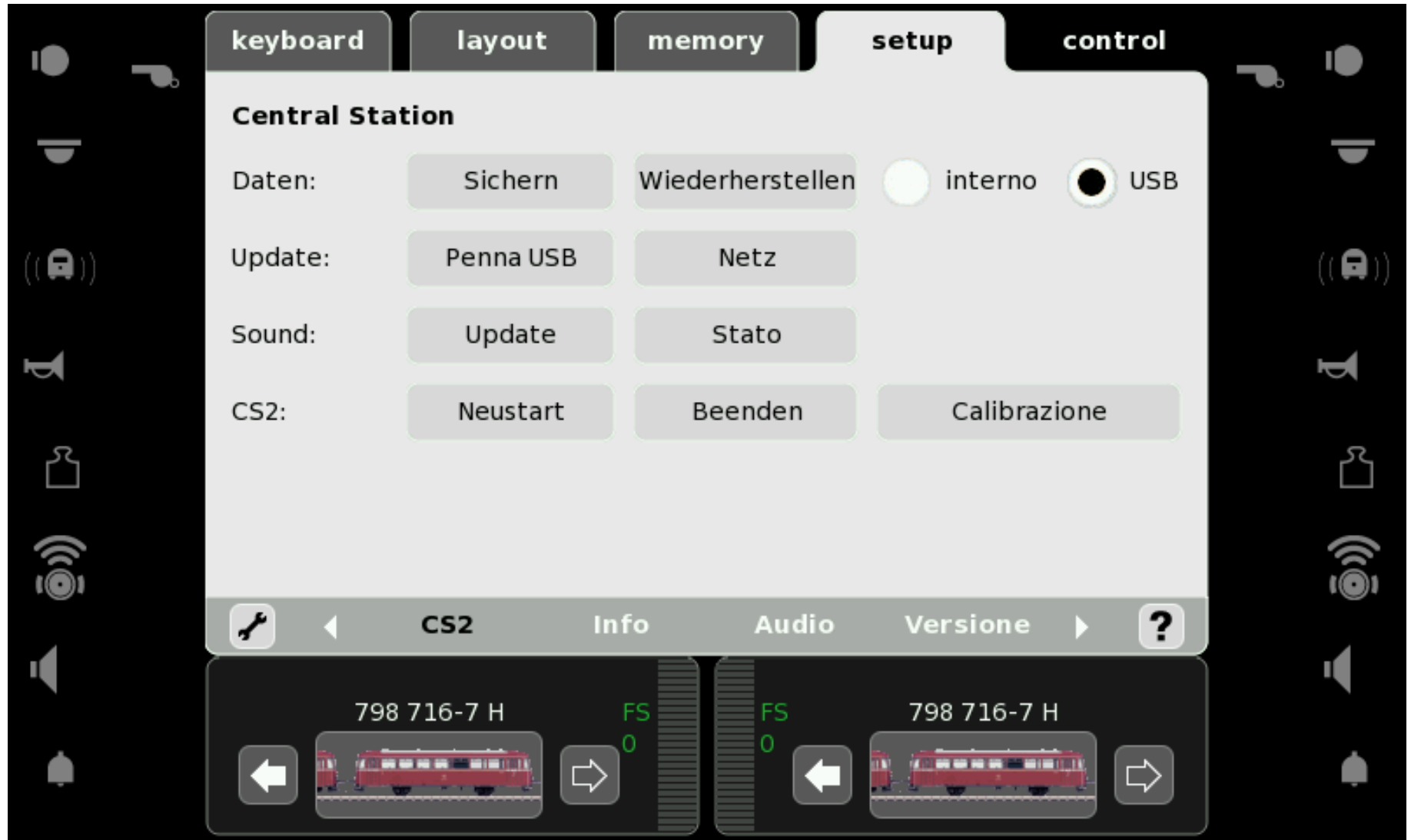
# Sistema di Blocco



# Sistema di Blocco



# Setup





The screenshot shows the 'Central Station' setup screen. On the left, there is a vertical toolbar with icons for various functions. The main area is divided into sections: 'keyboard', 'layout', and 'mem'. Under 'Central Station', there are four rows of settings:

Daten:	Sichern	Wiede
Update:	Penna USB	
Sound:	Update	
CS2:	Neustart	B

At the bottom, there is a 'CS2' section with a 'Info' button and a train image labeled '798 716-7 H' with 'FS 0' next to it. A yellow-bordered help window titled 'Aiuto' is overlaid on the right side. It contains two sections:

**Rétablir les données**  
Le sous-menu « Restaurer les données » vous permet de revenir à l'enregistrement de votre choix. Tous les paramètres actuels sont alors remplacés par les paramètres de cette sauvegarde.  
La dernière sauvegarde effectuée porte toujours le nom « sauvegarde.tgz ». Les sauvegardes précédentes sont numérotées. Le fichier « réinitialisation.tgz » contient les données correspondant à l'état de livraison de la Central Station. Le fichier « vide.tgz » ne contient aucune donnée et supprime toutes les locomotives, articles électromagnétiques et itinéraires (routes.

**Sauvegarder les données**  
Le sous-menu « Sauvegarder les données » vous permet à tout moment de procéder à l'enregistrement de l'intégralité des paramètres actuels de la Central Station. Un

The screenshot shows the 'Central Station' setup screen. At the top, there are tabs for 'keyboard', 'layout', and 'mem'. The main area is titled 'Central Station' and contains several rows of settings:

Daten:	Sichern	Wiede
Update:	Penna USB	
Sound:	Update	
CS2:	Neustart	B

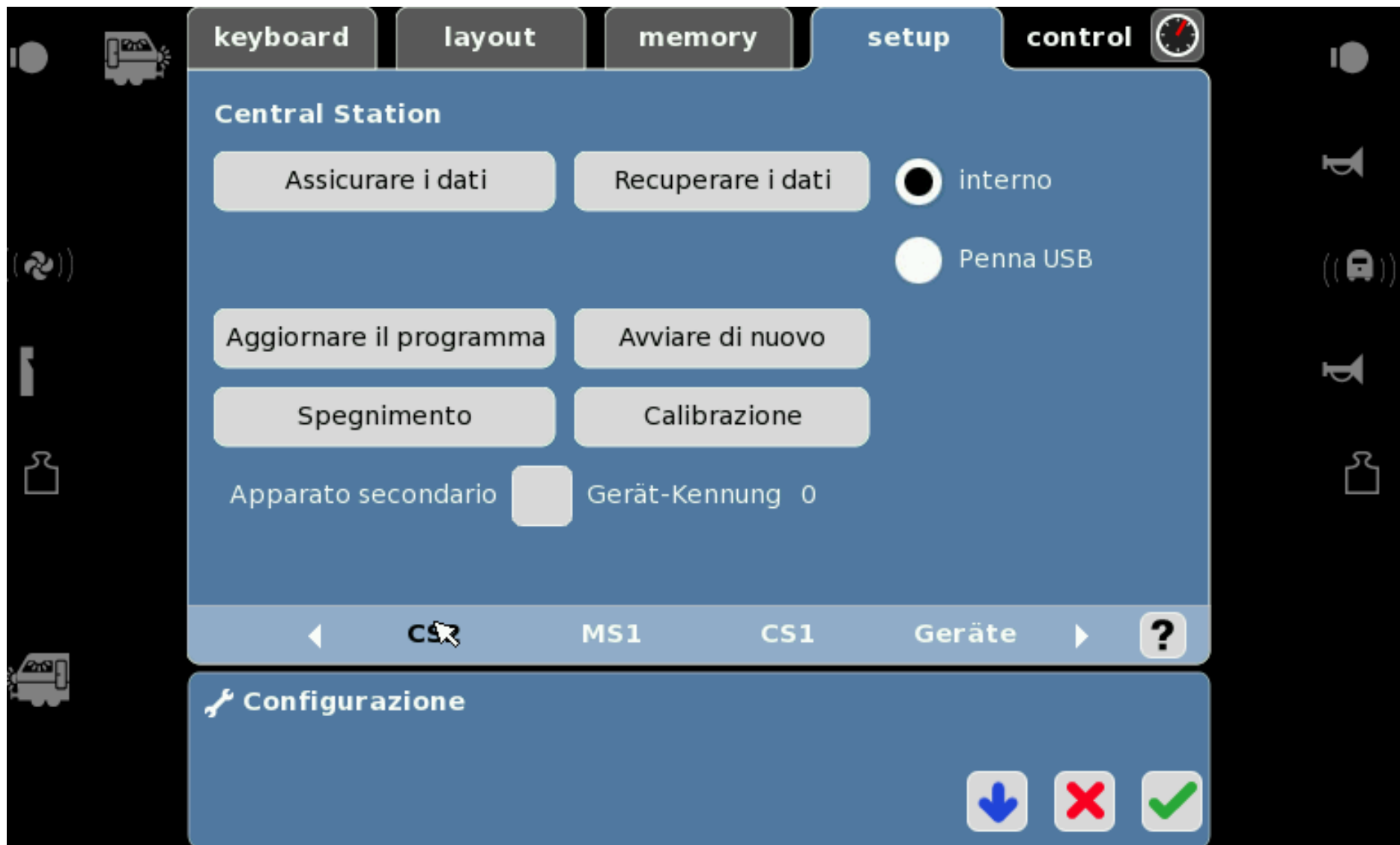
At the bottom of the setup screen, there is a 'CS2' section with a train image and the text '798 716-7 H' and 'FS 0'. A yellow-bordered help window titled 'Aiuto' is overlaid on the right side. It contains the following text:

**Calibrage**  
Le fonctionnement de [l'écran tactile](#) (entrée via contact avec l'écran) dépend du climat de la pièce et peut être influencé par diverses variations. Pour garantir le bon fonctionnement de l'écran tactile après une modification des conditions, vous pouvez procéder à un nouveau calibrage. A cet effet, appuyez sur la touche permettant de lancer la procédure. L'écran s'obscurcit et vous verrez apparaître cinq points les uns après les autres pour le réglage. Une fois le calibrage terminé, la Central Station revient automatiquement en mode d'exploitation normal.

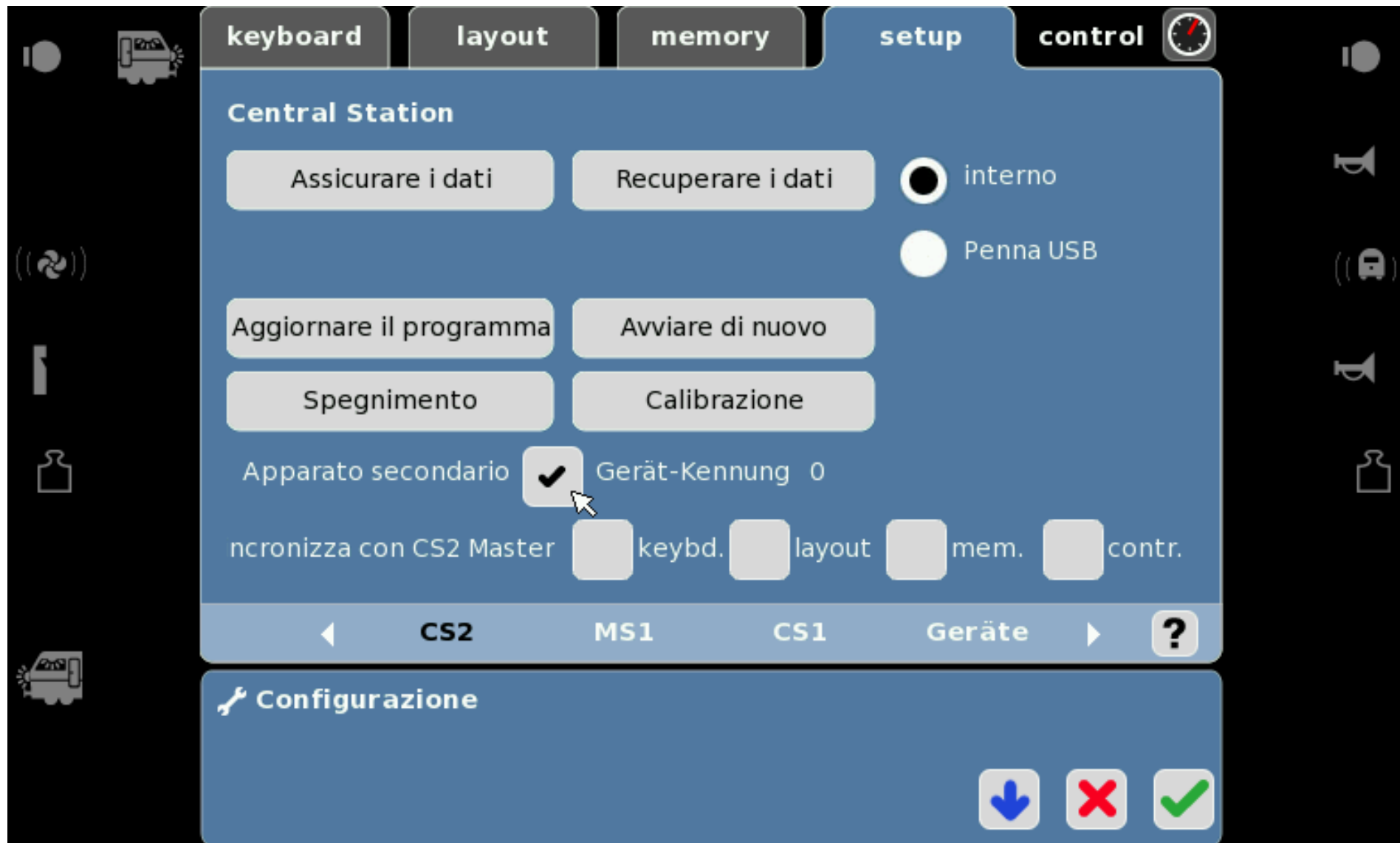
**Remarque:**  
Lors du calibrage, le pointeur de la souris est activé. En cas de dysfonctionnement de l'écran tactile, vous pouvez donc vous servir d'une simple souris d'ordinateur.



# Setup Apparato secondario



# Setup



# Setup

**keyboard** **layout** **memory** **setup** **control**

**Info**

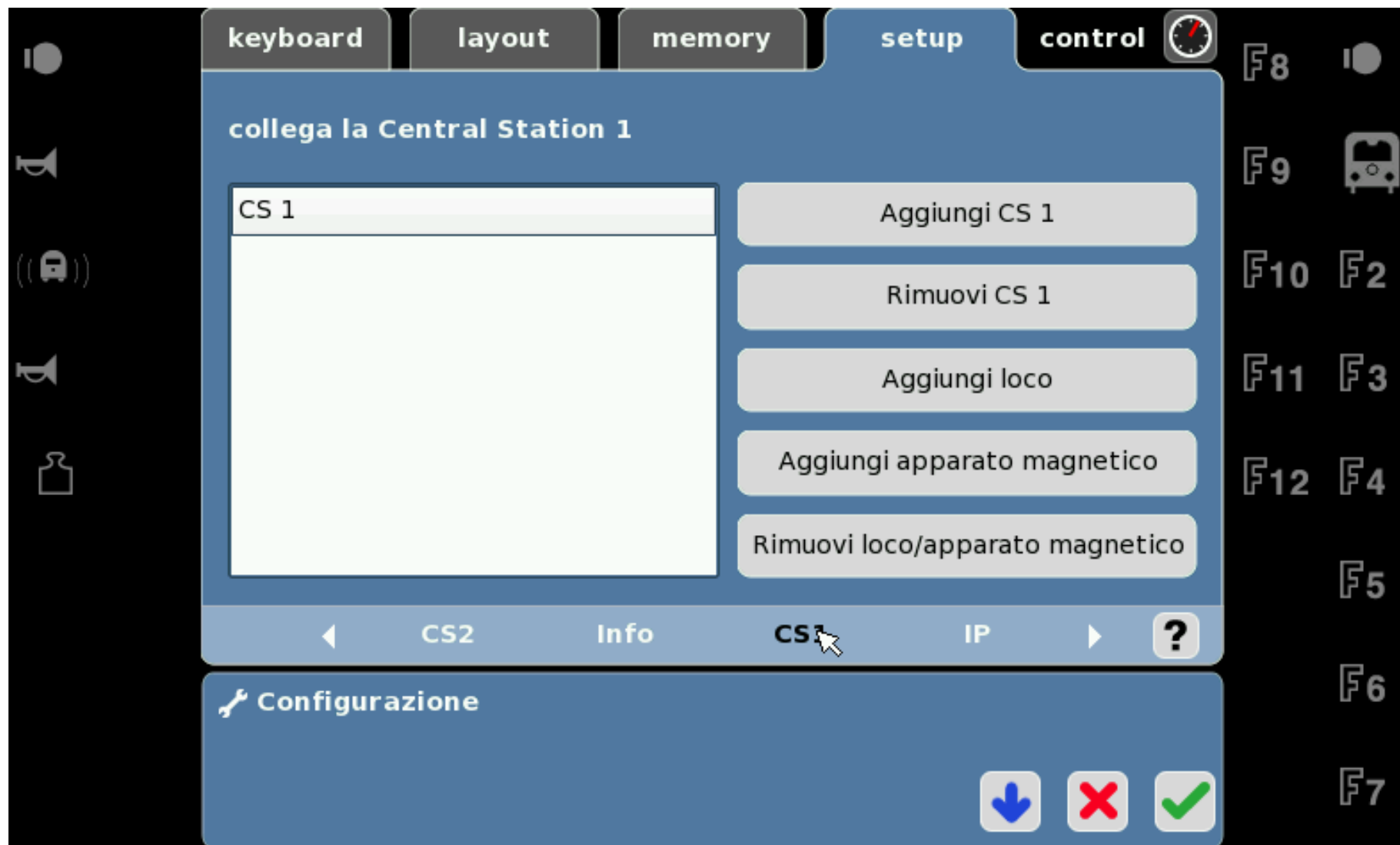
Central Station 2 #90 ▼

Numero di Catalogo	60213	
Versione	1.53	
Corrente binari primari		0 A
Corrente binario programmazione		0.203 A
Tensione		21 V
Temperatura		44.8 C

CS2 **Info** Versione ?

BR 232 232-9

Lok

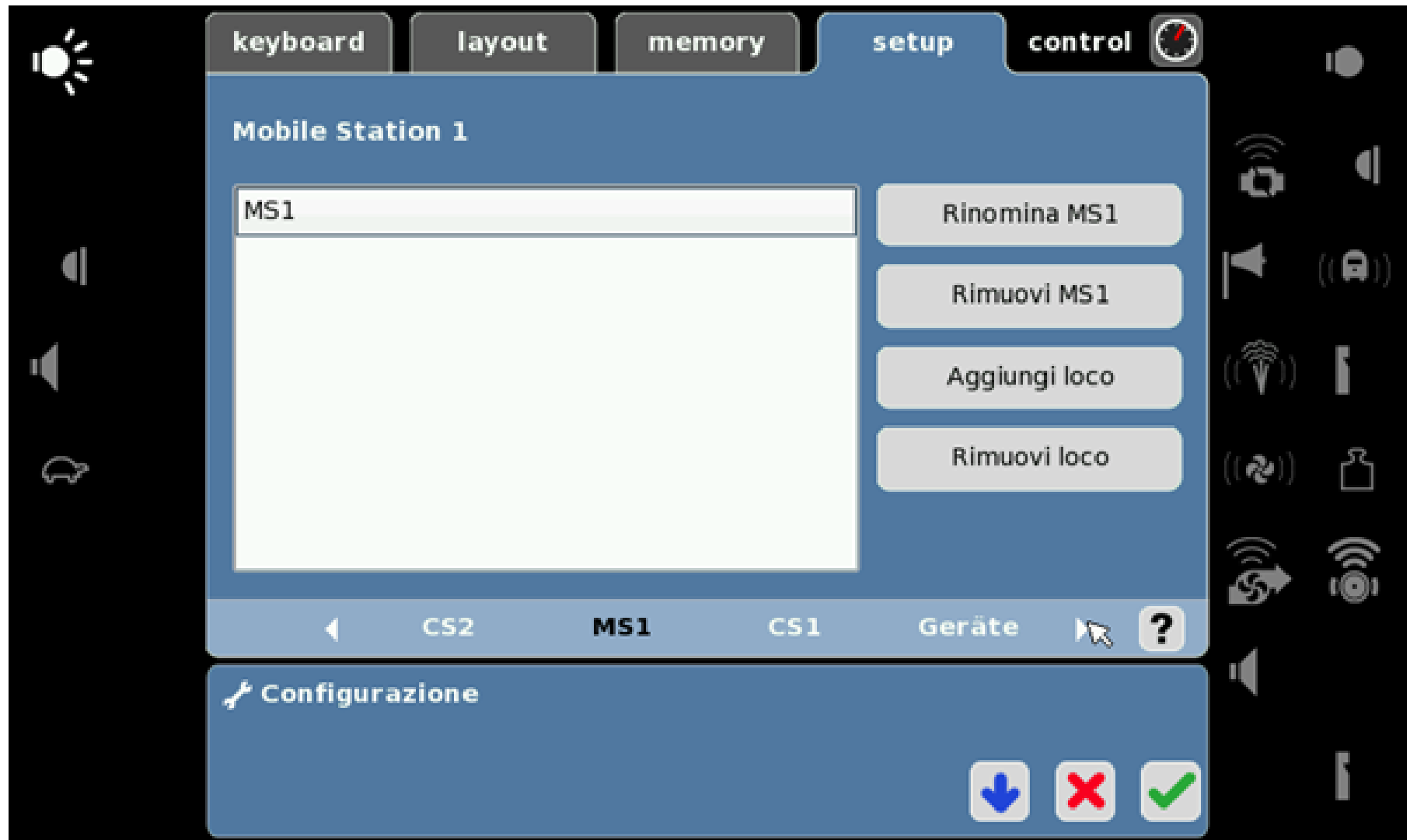


# Setup





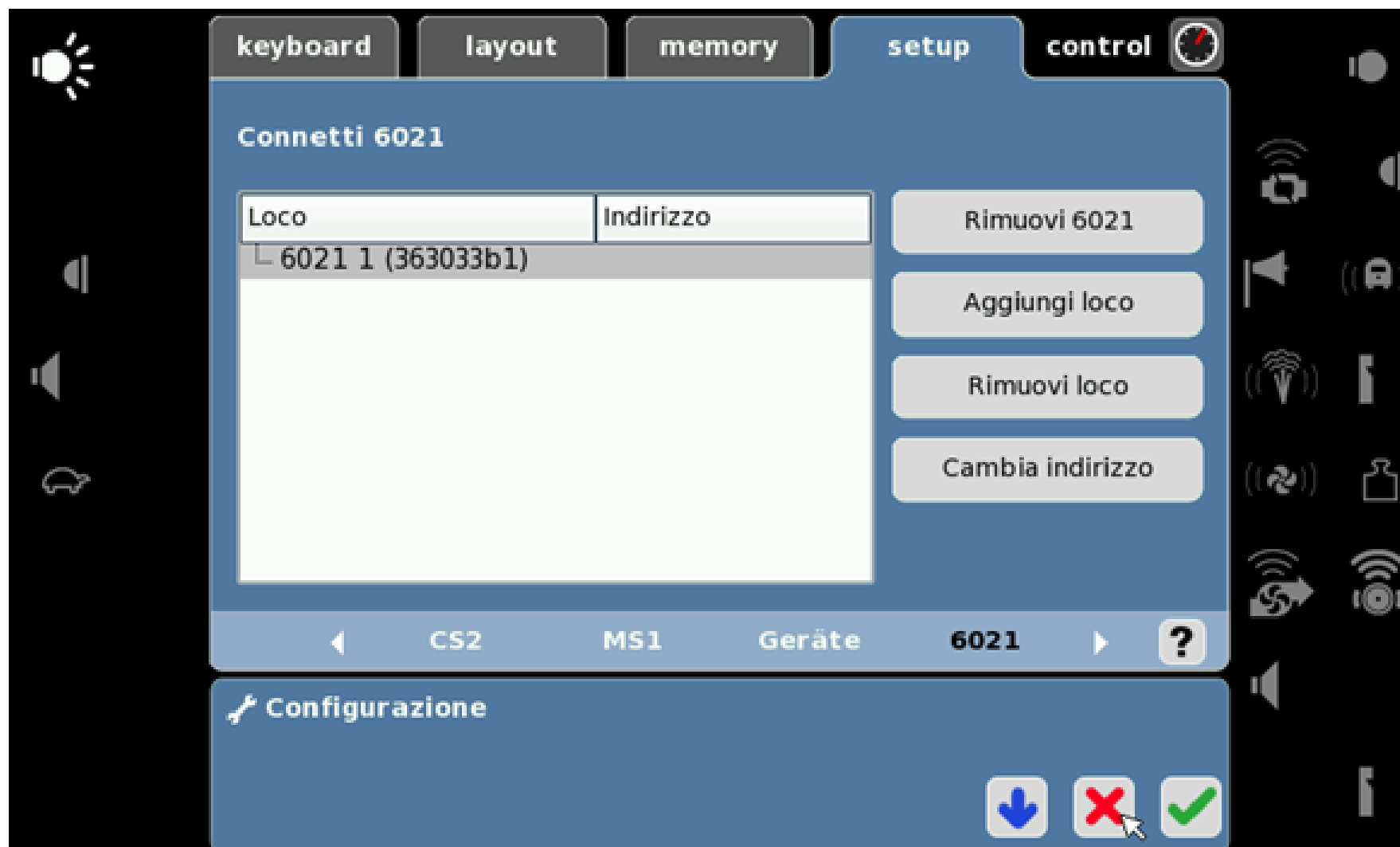
# Setup



# Setup



# Setup 6021



# Setup 6021

**Selezione della loco**

Nome

	23 041 DB
	BR 232 232-9
	CE 6/8 14308
	CE 6/8 III 14303
	EB 3/5 5831
	RE 4/4 I 10023
	Serie 460

Torna indietro    Seleziona tutti

# Setup 6021

**Sélection loco**

Nom

-  AM 4/4 18462
-  BIG BOY
-  BR 232
-  CE 6/8 14308
-  Lok
-  Mfx-Lok Br 64
-  MIKADO UP
-  S 3/6 2000
-  Serie 460
-  V 200 150

Zurücksetzen    Alle auswählen        

# Setup 6021



# Setup

The screenshot shows the Märklin digital control system interface. A 'Modifier adresse' dialog box is open, allowing the user to change the address of a selected locomotive. The dialog box has a title bar with a wrench icon and the text 'Modifier adresse'. It features a numeric input field with the value '40' and minus/plus buttons. A question mark icon is present next to the input field. At the bottom of the dialog are a red 'X' (cancel) button and a green checkmark (confirm) button.

The background interface shows a list of locomotives under the heading 'Connect6021'. The list has two columns: 'Loco' and 'Adresse'. The selected locomotive is '6021 1 (363033b1)'. Below it, several locomotive models are listed with their corresponding addresses.

Loco	Adresse
6021 1 (363033b1)	
AM 4/4 ...	61
BIG BOY	40
BR 232	24
CE 6/8 1...	1
Lok	1
Mfx-Lok ...	1
MIKADO ...	40
S 3/6 2000	18
Serie 460	46

At the bottom of the screen, there is a 'Configuration' section with a wrench icon and three buttons: a download icon with '##', a red 'X', and a green checkmark. The top of the screen shows tabs for 'keyboard', 'layout', and 'men'. The right side of the screen displays function key labels (F8 through F7).

keyboard layout memory **setup** control

**Immagine**

Intervallo interrogazione Status (in s)

Attivare puntatore Mouse

Blocco di layout turno

Lingua

- de
- en
- fr
- nl
- sv
- es
- it**
- ja
- ru

← CAN Versione Im ?

🔧 Configurazione

⬇️ ❌ ✅



**Configurazione BR 232 232-9**

Nome

Figura 

Simbolo per MS

Tipo di Decoder

Indirizzo MM2

Accesso CV

Treno pendolare

Ritardo di avviam.

Ritardo di frenat.

VMin


VMax

Volume sonoro

Tachimetro

- 
- 
- 
- 



BR 232 232-9 

0

**Update-Konfiguration für Lok mSD Elektro**

Typ	Info	Upd	File	Br	View
Decoder Fw	IST: SW V:1.8.14.0	<input type="checkbox"/>			
Decoder FDS	ST: TLNR:171344 REV:0 UID:5445F506 NEU: TLNR:* REV: UID:*	<input checked="" type="checkbox"/>	SD-Soundtest.htr		
Sound Fw	IST: TLNR:171344 REV:1 SW V:1.10	<input type="checkbox"/>			
Sound Flash	IST: TLNR:175072	<input type="checkbox"/>			

mSD Elektro

← **???** → 0

Status Snd

•Decodermapping

mSD-Soundtest.html ✖

### Funktionstasten

<b>F0</b>		Fahrsound	<b>F8</b>		Sound 8
		Schaltfunktion Fahrsound			Schaltfunktion Sound 8
<b>F1</b>		Sound 1	<b>F9</b>		Sound 9
		Schaltfunktion Sound 1			Schaltfunktion Sound 9
<b>F2</b>		Sound 2	<b>F10</b>		Sound 10
		Schaltfunktion Sound 2			Schaltfunktion Sound 10
<b>F3</b>		Sound 3	<b>F11</b>		Sound 11
		Schaltfunktion Sound 3			Schaltfunktion Sound 11
<b>F4</b>		Sound 4	<b>F12</b>		Sound 12
		Schaltfunktion			Schaltfunktion

☰

▼

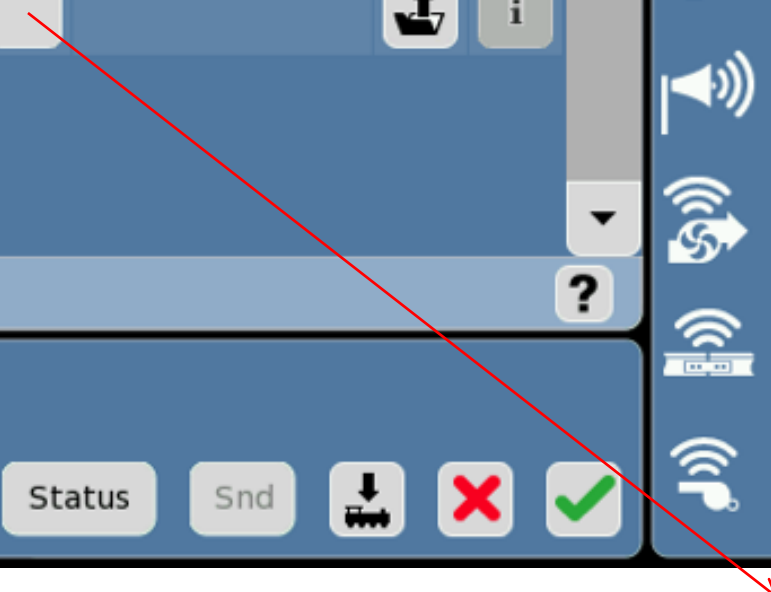
**Update-Konfiguration für Lok mSD Elektro**

Typ	Info	Upd	File	Br	View
Decoder Fw	IST: SW V:1.8.14.0	<input type="checkbox"/>			
Decoder FDS	ST: TLNR:171344 REV:0 UID:5445F50€	<input type="checkbox"/>			
Sound Fw	IST: TLNR:171344 REV:1 SW V:1.10	<input type="checkbox"/>			
Sound Flash	IST: TLNR:175072	<input type="checkbox"/>			

mSD Elektro

← **???** → 0

Status Snd



**Update-Konfiguration für Lok mSD Elektro**

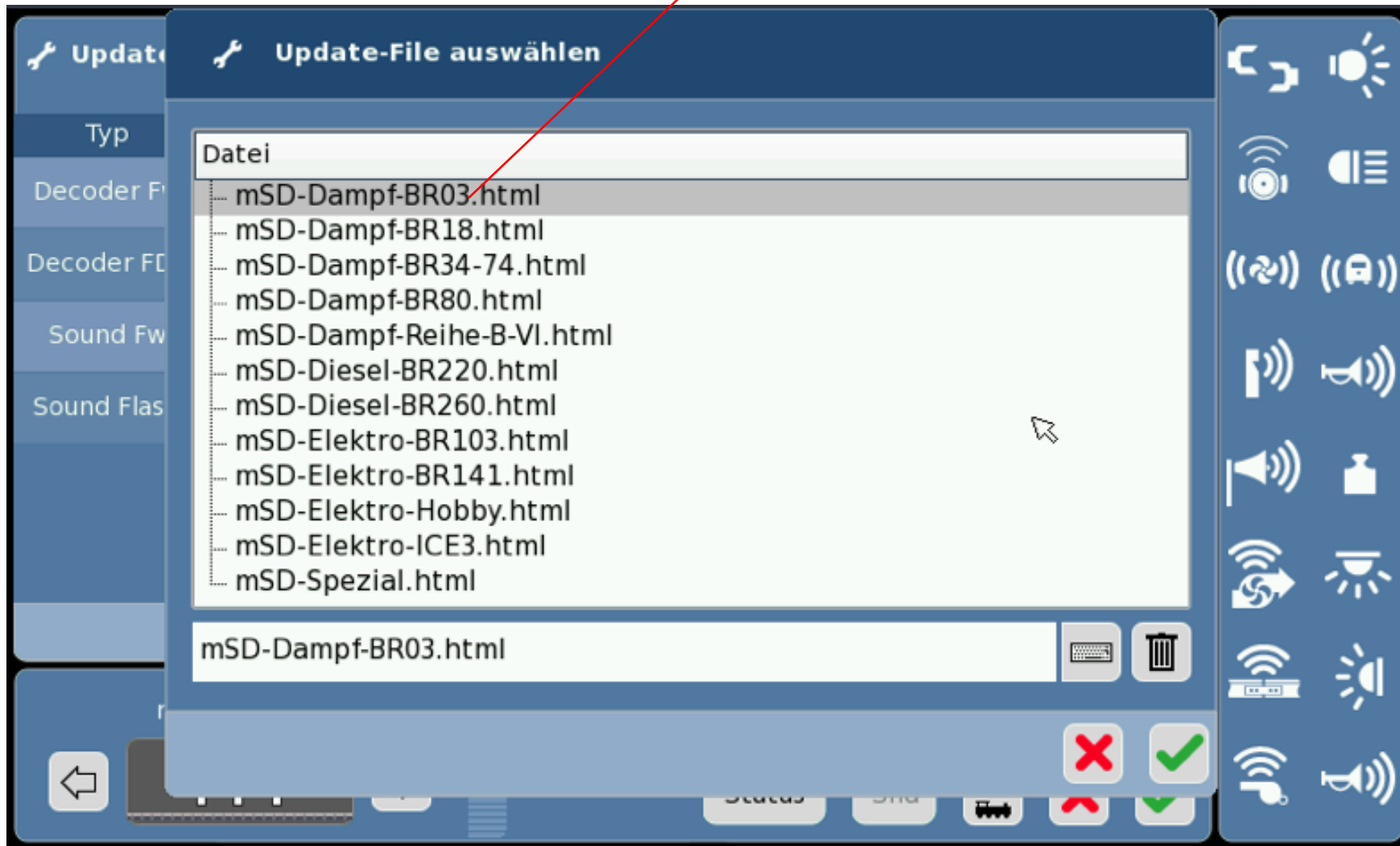
Typ	Info	Upd	File	Br	View
Decoder Fw	IST: SW V:1.8.14.0	<input type="checkbox"/>			
Decoder FDS	ST: TLNR:171344 REV:0 UID:5445F50€ NEU: TLNR:* REV: UID:*	<input type="checkbox"/>	SD-Soundtest.htm		
Sound Fw	IST: TLNR:171344 REV:1 SW V:1.10 NEU: TLNR:* REV:1 SW V:1.10	<input type="checkbox"/>	mSD.html		
Sound Flash	IST: TLNR:175072	<input checked="" type="checkbox"/>			

mSD Elektro

← **???** → 0

Status Snd

•Scegliere i suoni



**Update-Konfiguration für Lok mSD Elektro**

Typ	Info	Upd	File	Br	View
Decoder Fw	IST: SW V:1.8.14.0	<input type="checkbox"/>			
Decoder FDS	ST: TLNR:171344 REV:0 UID:5445F506	<input type="checkbox"/>			
Sound Fw	IST: TLNR:171344 REV:1 SW V:1.10	<input type="checkbox"/>			
Sound Flash	IST: TLNR:2575753 NEU: TLNR:*	<input checked="" type="checkbox"/>	)-Elektro-BR103.f		

Bottom bar: mSD Elektro, ???, 0, Status, Snd, , ,

•Controllo del suono

mSD-Elektro-BR103.html



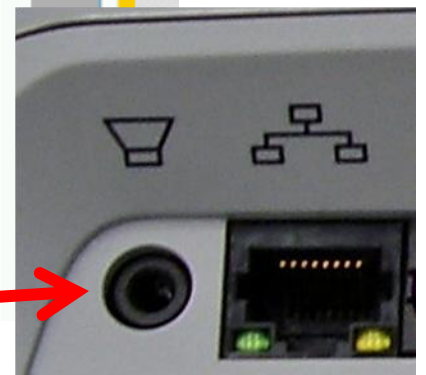
### Decoder

<b>Artikel</b>	-	
<b>Name</b>	E 03, BR 103	

### Sounds

<b>Bremssound</b>	Bremsenquietschen aus Dauersound	<b>Sound 8</b>	Abkuppelgeräusch Momentsound
<b>Fahr sound</b>	Elektrolok Dauersound	<b>Sound 9</b>	Lüfter Dauersound
<b>Sound 1</b>	Pfeife kurz Momentsound	<b>Sound 10</b>	Sanden Dauersound

•Altoparlante





•Registrare il Sound

Update-Konfiguration für Lok mSD Elektro

Typ	Info	Upd	File	Br	View
Decoder Fw	IST: SW V:1.8.14.0	<input type="checkbox"/>			
Decoder FDS	ST: TLNR:171344 REV:0 UID:5445F506	<input type="checkbox"/>			
Sound Fw	IST: TLNR:171344 REV:1 SW V:1.10	<input type="checkbox"/>			
Sound Flash	IST: TLNR:2575753 NEU: TLNR:*	<input checked="" type="checkbox"/>	)-Elektro-BR103.f		

Bottom bar: mSD Elektro, ???, 0, Status, Snd, , ,

•Registrare i nuovi suoni sul decoder



•Registrare il Sound

**Update-Konfiguration für Lok mSD Elektro**

Typ	Info	Upd	File	Br	View
Decoder Fw	IST: SW V:1.8.14.0	<input type="checkbox"/>			
Decoder FDS	ST: TLNR:171344 REV:0 UID:5445F506	<input type="checkbox"/>			
Sound Fw	IST: TL NEU	<input type="checkbox"/>			
Sound Flash		<input type="checkbox"/>			

Ein Update für Lok mSD Elektro (Teilnehmer 3) läuft.  
Bitte das Gerät nicht ausschalten.

mSD Elektro

← **???** →

Status Snd

## •Registrare il Sound

Update-Konfiguration für Lok mSD Elektro

Typ	Info	Upd	File	Br	View
Decoder Fw	IST: SW V:1.8.14.0	<input type="checkbox"/>			
Decoder FDS	ST: TLNR:				
Sound Fw	IST: TLNR:				
Sound Flash					

**i Information**

Das Update war erfolgreich.

Ggf. ist ein Reset des Decoders erforderlich.

mSD Elektro

← ??? →

0

Status Snd

## •Estensione delle Funzioni del Memory

.

- Per esempio il segnale scatta al verde, la loco parte , il segnale scatta al rosso, la loco fischia, gli scambi
- cambiano la posizione ed infine la loco si ferma.

## •Estensione delle Funzioni del Memory

- 1. Un itinerario può essere attivato azionando un tasto di funzione di una loco.
- 2. In una funzione del Memory si possono azionare differenti velocità di una locomotiva.
- 3. Si può fermare più volte la loco, cambiare la direzione di marcia ed -
  - attivare il gancio telex.
  -
- 4. Tramite il Memory si può anche azionare il rumore di una locomotiva, oppure il fischio, il rumore del motore, la campana, ecc.

keyboard layout memory **setup** control

**Binario**

Dinamica Encoder rotativo

Loco in marcia automatica

Gleisformat für Loks auto

- auto
- mfx
- mm2
- dcc
- mfx + mm2
- mfx + dcc
- mm2 + dcc

Versione Imm S88 ?

Configurazione

↓ × ✓

F8 F9 F10 F2 F11 F3 F12 F4 F5 F6 F7

keyboard layout memory **setup** control

**Info**

Central Station 2 #12600 ▼

Numero di Catalogo 60215

Versione 2.43

Trafo: 60101 ▼

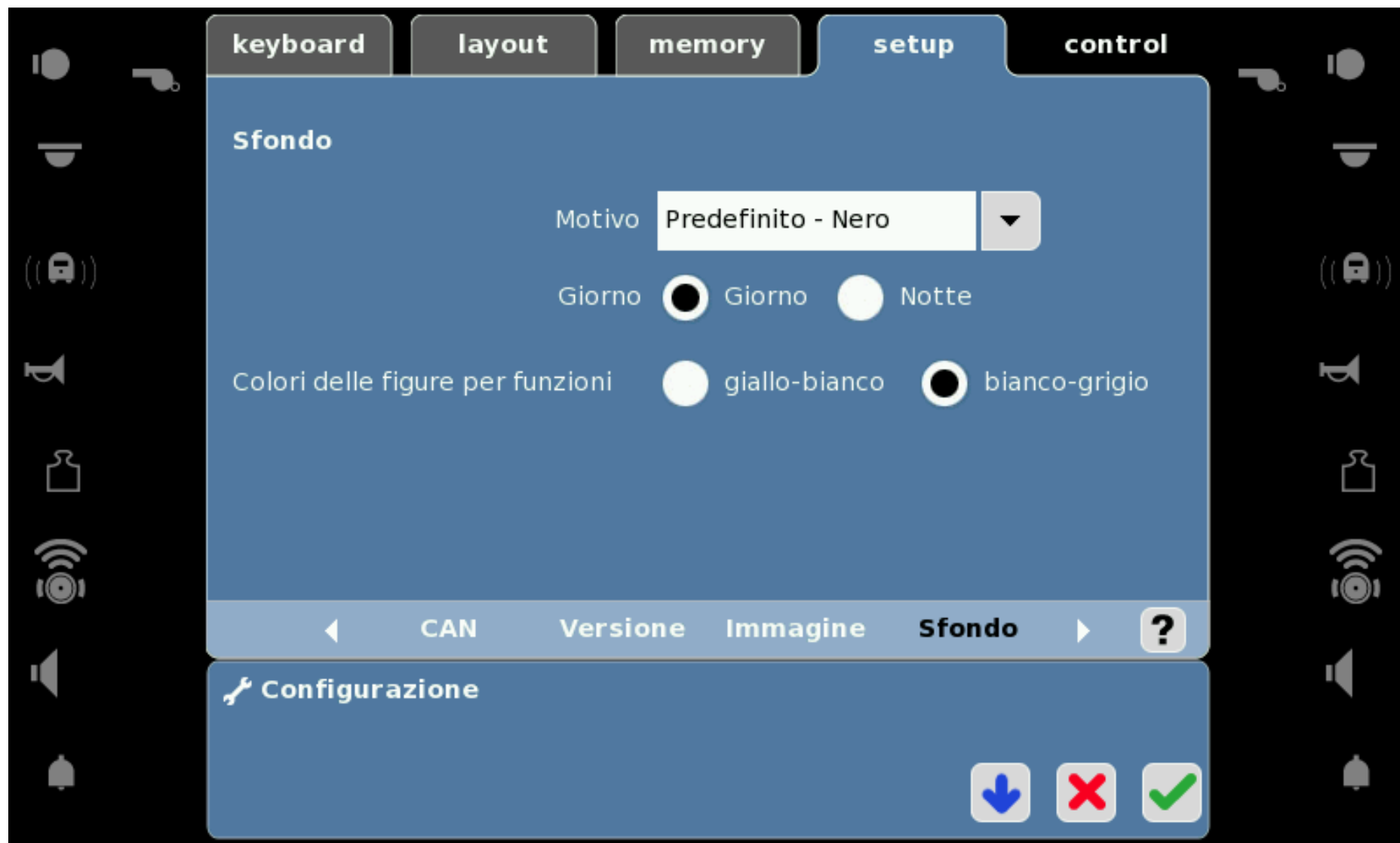
6095 mix mode:

- 60052
- 60061
- 60101

◀ **Info** Audio empo Modell IP ▶ ?

🔧 Configurazione

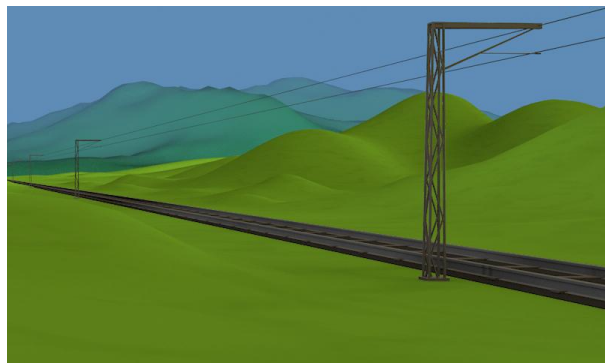
⬇️ ❌ ✅







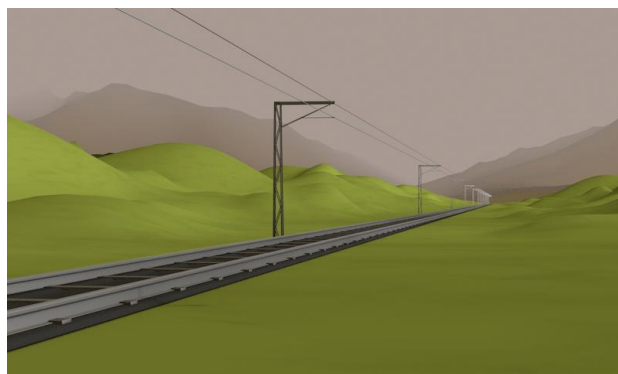
•Images de fond d'écran



•Landscape 1



•Landscape 2



•Landscape 3

• **Immagini di fondo dello schermo**



• **Landscape Spring**

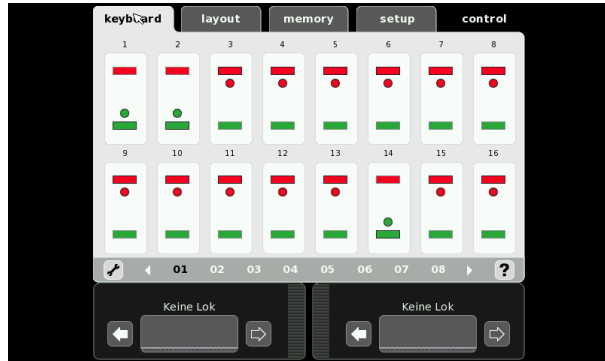


• **Landscape Summer**

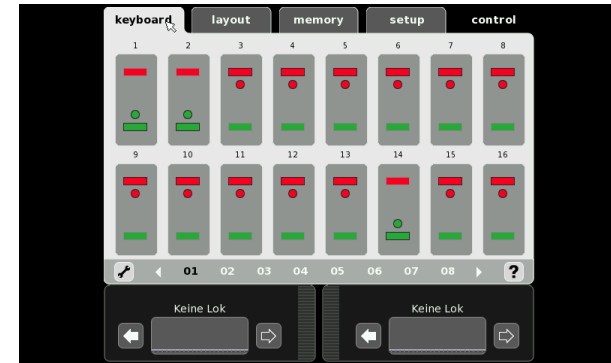


• **Landscape Winter**

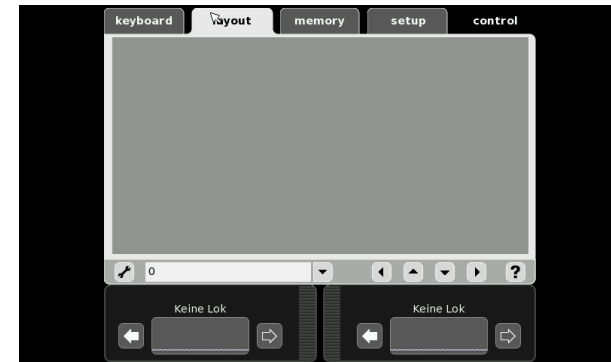
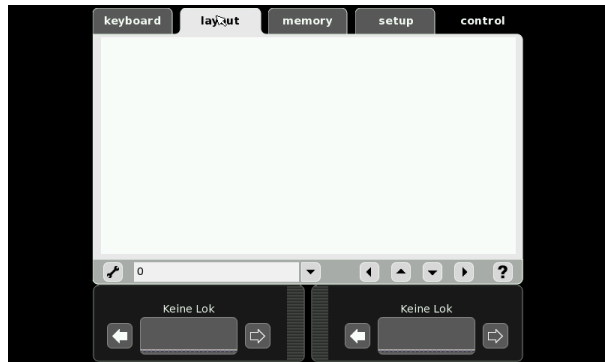
•Regolazione giorno, notte



•Keyboard



•Layout.







**TSLIB calibration utility**  
Touch crosshair to calibrate

# Architettura del sistema

