

The SBB CFF FFS Re 420

QUICK GUIDE



Quick guide



- ▶ These slides will take you through all the functions of the Re 4/4 – Re 420 Platinum Pack for TS2015 by CreativeworX



Quick guide – Re 420



Startup

1. Go into the cab (press 1)
2. Move **drivingcurrent** switch forward (Shift-S)
3. Move **panto** switch forward (P)
4. Move **main** switch forward (Z)

You will hear the mainswitch engage and a test sequence for the warning lights will be initiated.

The rear panto (default) will raise.

The engine is now ready for operation.



Quick guide – Re 420



Lights

The **servicelights** switch on by moving the 'Dienstlicht' switch forward (Ctrl – D). Default is **AUTO**. Down is **OFF**, up is **MANUAL**.

3 white **frontlights** and one white taillight will be switched on (default).

You can change the **taillights** to any other position manually:

Ctrl-1 / Ctrl-Shift-1 = Taillight right

Ctrl-2 / Ctrl-Shift-2 = Taillight middle (top)

Ctrl-3 / Ctrl-Shift-3 = Taillight left

Sequence: **White**<->Off<->**Red**<->Off



Quick guide – Re 420



High beam and Cablights

Press the 'Fernlicht' switch(H) to switch on the **high beam**.

There are several lights in the cabine:

Cab light (Shift-L / Ctrl-L)

Instrument light (Ctrl-I / Ctrl-Shift-I)

Schedule light (Ctrl-F10)



Quick guide – Re 420



Wipers

The left and right wipers are controlled separately:

Left wiper (C / Ctrl-C)

Right wiper (V / Ctrl-V)

Sequence:

Off<->**Slow**<->**Fast**

Switching a wiper off leaves it in it's current position. There is no auto-return or park. This makes it possible to **park** it to the right side off the window, which is a preferred position for SBB drivers.



Quick guide – Re 420



Brakes

Before driving make sure all brakes are off:

Handbrake (/) – default = off

Locobrake ([&]) – default = **20% on**

Trainbrake (; & ') – default = off

The trainbrake has 6 positions:

1. Abschlussstellung - Park
2. Fuellstellung - Ready
3. Fahrstellung - Drive
4. 1. Bremsstellung – Brake low
5. 1. Schnellbremsstellung – Brake medium
6. 2. Schnellbremsstellung – Brake full
7. Vollbremsung - Emergencybrake



Quick guide – Re 420



Reverser and Combined Throttle-Brake

To move **forward** push the Wendehebel forward (W), to **reverse** pull backwards (S). The middle position is **neutral**.

The Fahrhebel is a combined **throttle** and **dynamic brake**:

Push forward to **increase** throttle (A)

Pull backwards to **decrease** throttle (D)

Above the middle (zero) position is throttle, below the middle position is dynamic brake.

The button on the Fahrhebel pivot point is the **horn**.



Quick guide – Re 420



Mirrors, Sander, Horn

The **mirrors** can be deployed / closed by pressing the small footpedal or Ctrl-S.

The **sander** (X) can be used to increase traction on slippery tracks

The **horn** is located on the throttle lever pivot (pushbutton B)



Quick guide – Re 420



Wachsamkeitskontrolle

The Re 420 has a **deadmans safety** system which is like a distance-distance **SIFA**. When the system is switched on (Shift-7) it is in '**Langsamgang**' (slow mode). This is used during shunting. A warning will sound after **200 meter**. To prevent this the driver needs to press the **pedal** (Space) before that or quickly after the warning.

When the driver pushes and holds the pedal the system goes into '**Schnellgang**' (fast mode). Now the warning sounds after **1600 meter**. To simulate this press Ctrl-Space (pedal down). The driver must move the Throttle or Trainbrake or release the pedal shortly (Space) before 1600 meter is travelled.

Failing to correctly operate the Wachsamkeitskontrolle causes a **warning** and eventually an **emergencybraking**.

Quick guide – Re 420



ZUB (Zugbeeinflussung) display

The ZUB display shows the **maximum speed** on the current track.

When the trackspeed is not available the display is blank or shows 40 KM/h.



Quick guide – Re 420



AWS (PZB) Zugsicherung

PZB is not used in Switzerland. The engine does have a simple safety system however.

When passing a signal which shows a limited speed the **ZUB light** lights up and a **buzzer** sounds. The driver needs to turn the **Zugsicherung knob** (Q) to override the warning and slow down.

When passing a **red signal** the **emergency brake** is applied instantly except when the **'manoeuvre'** mode (Ctrl-M) is active.



Quick guide – Re 420



Manoeuvre mode

When **shunting** or needing to **pass a red light** at low speed, the driver can switch off the Zugsicherung temporarily by engaging the '**Manoeuvre**' mode (Ctrl-M).

When active the Manoeuvre light comes on and the **speedlimit** is now 40 Km/h. It is now possible to pass a red signal without causing an emergencybrake.

On passing a red signal in this mode the **ZUB buzzer** and light will sound 3 times.



Quick guide – Re 420



Pantograph arc

When driving in the **winter season** there will be electric **arc**ing where the Panto touches the overhead catenary wire. This will happen automatically when in motion.

This effect can be **switched off** by pressing **Ctrl-Shift-A**



Quick guide – Re 420



- ▶ Have fun driving the Re 420!

If you have any further questions please press the green HELP tab on my website:

WWW.CREATIVEWORX.NL

The Re 420 is available in the webshop:

<http://www.mersel.nl/product/sbb-cff-ffs-re-420-for-trainsimulator-2015/>