

# MAN

- MAN Lion's City A21 Bus-train (Münich)
- MAN New Lion's City
- MAN Interurban Lion's Intercity LE

# MAN Lion's City A21 Bus-train (Münich)

“ All following info originates from the original manual

You can view the full manual here: <https://store.steampowered.com/manual/730261>

## Buttons

## Side console



1. Parking brake
2. Save Video clip
3. Bend protection (only articulated buses)
- 4.
5. Roof fan
6. Wind screen heating
7. Mirror adjustments
8. Supply/exhaust air
9. Roof hatch controls

## Roof console/heating



1. Air vent controls driver
2. Temperature driver
3. Fan speed driver
4. A/C driver
5. Circulating air/outside air driver
6. A/C, automatic heating interior
7. Dehumidification (combined A/C + heating)
8. Diesel-operated auxiliary heating

## Dashboard Type "VDV"



### RED:

1. Speedmeter incl. odometer
2. Light block, top to bottom:
  1. STOP | Vehicle not ready| During drive, stop and call a mechanic
  2. ATTENTION| Danger to operational/traffic safety
  3. Turn signals
  4. High beams
  5. Parking brake
  6. ABS
  7. Destination
  8. Stop request wheel chair
  - 9: Stop request
  - 10: Check engine light
3. Info display (Vehicle, Brake pressure, fuel level, etc.)
4. Combi-lever wiper, indicator, high beam, horn
5. Steering post (click to hide the steering wheel)
6. Ignition key, start engine

### BLUE:

1. Confirmation button diagnostic display
2. Lift vehicle
3. Kneeling automatic
4. Retarder
5. Switch TCS
6. Switch hazard lights
7. Kneeling manual up/down
8. Emergency lifting
9. „stadium button“ – opens and closes all doors simultaneously
10. Interior/exterior announcement
11. School bus switch
12. Door release
13. Gear selection button
14. Light switch exterior lighting
15. Light switch interior lighting
16. Door button (door 1, door 2, door 3, all doors)

# MAN New Lion's City

## Ticket printer

- Personel number: 21052
- PIN code: 15067

## Dashboard



- |   |  |
|---|--|
| 1 -Deactivate foot retarder   | 23 -Sensitivity adjustment rain sensor   |
| 2 Deactivate -ASR/ESP   | 24 -Retarder lever   |
| 3 -Deactivate start-stop  | 25 -Retarder Maximum level/Disable retarder  |
| 4 -Sun blind front windscreen   | 26 -Light rotary switch (level 0: light off, Level 1: Automatic mode; Level 2: Parking light; Level 3: Low beam; Level; 4: Fog light [if activated by setvar], otherwise Nebelschluss- |
| 5 -Unlocking the driver's door  | light; level 5: rear fog light)  |
| 6 -School driving circuit   | 27 -Gear selector rotary switch  |
| 7 -warning lights   | 28 -Press briefly = change between trip odometer and mileage tachometer; Press and hold: Reset trip odometer   |
| 8 Raise -driving level  | 29 -Switching the fuel gauge between diesel and Adblue tank  |
| 9 -Autokneeling   | 30 -Multi-function display   |
| 10 -Kneeling  | 31 -control indicators   |
| 11 -door sash lock  | 32 -Tachometer   |
| 12 -stop brake  | 33 -Tachometer   |
| 13 -Door Release (Not in 12C 2-Door)  | 34 -Fuel gauge   |
| 14 -driving workplace lighting (Level 1: Door 1 entrance lighting only in conjunction with parking lights or low beam; Stage 2: Driver's workplace lighting up to 3 km/h)                     | 35 -Cooling water temperature  |
| 15 -Night lighting  | 36 -supply pressure in brake circuit I   |
| 16 -Passenger compartment lighting  | 37 -supply pressure in brake circuit II  |
| 17 -Door button Door 1  | 38 -Digital tachograph   |
| 18 -Door button Door 2  | 39 -Heating control unit   |
| 19 -door button door 3 [Indicator and reset button for emergency stopcock only]; Door button, door 4 (not included in illustration) [Indicator and reset button for emergency stopcock only]. | 40 -outdoor temperature and mileage  |
| 20 -steering wheel adjustment   | 41 - Time and trip mileage or mileage tachometer   |
| 21 -combination lever   |  |
| 22 -windshield washer system (Level 0: off; level 1: rain sensor; level 2: interval slow; Level 3 Interval fast)  |  |

## Side area



- |  |   |
|--|---|
| 1 - Mirror adjustment (left/right)                                   | 6 - reverse warning system  |
| 2 - Selector switch of the mirror to be adjusted (left/centre/right) | 7 - Pedestal vent   |
| 3 - Adjustment of additional interior mirror                         | 8 - Deactivate external emergency stopcocks and reset emergency stopcocks |
| 4 - Deactivate hold request buzzer                                   | 9 - Roof hatch adjustment   |
| 5 - Side blind   | 10 - Light test   |

## Heating Control

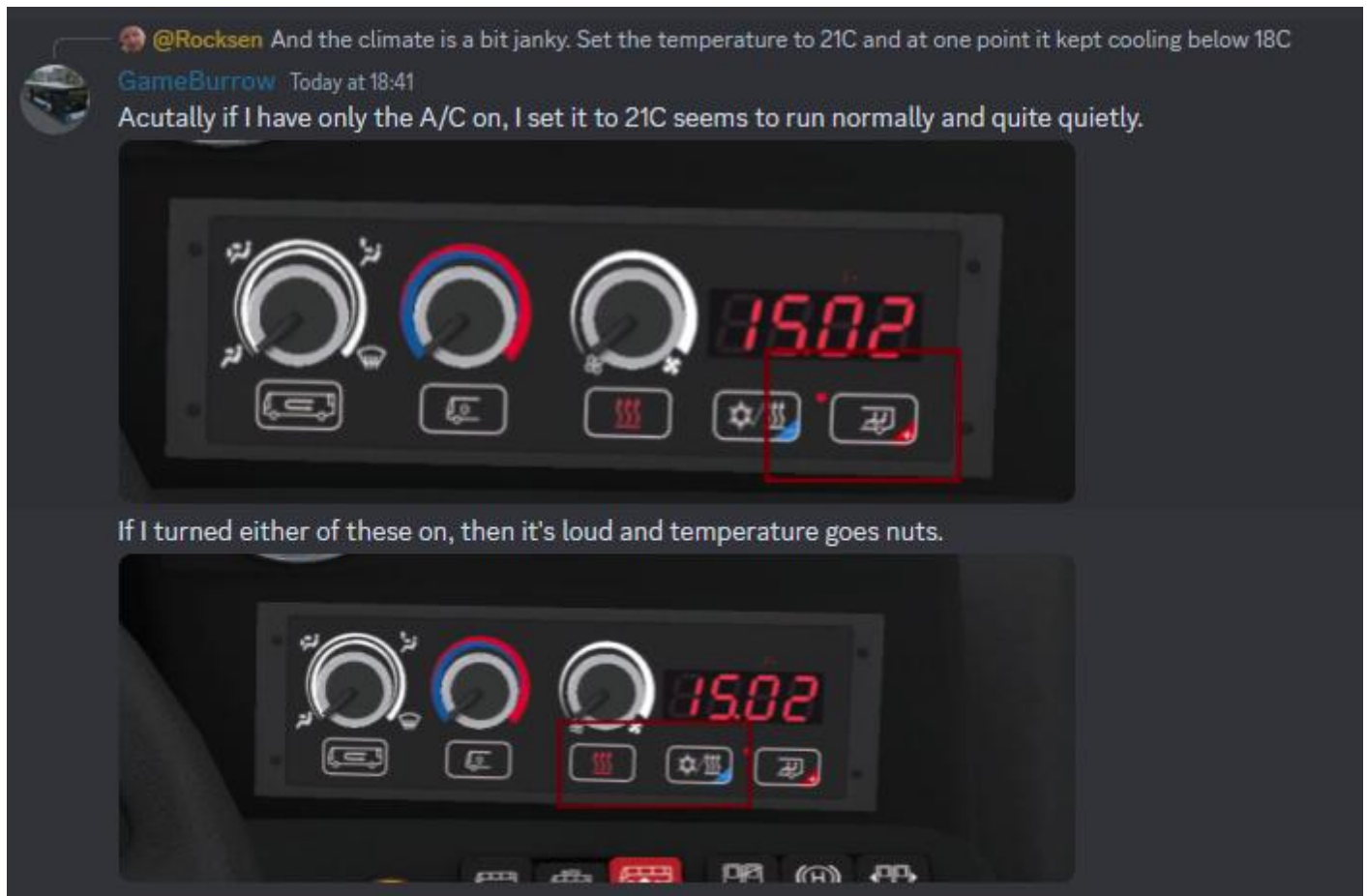


- |   |   |
|---|---|
| 1 - Blower direction  | 7 - Heating/cooling (Dehumidifying the passenger compartment)   |
| 2 - Fan temperature   | 8 - Preheater   |
| 3 - Blower strength   | 9 - Driver climate (not available) Press and hold Activation of the ECO mode - air conditioner is deactivated |
| 4 - Weekday   | 10 - Recirculation mode   |
| 5 - Display   |   |
| 6 - Passenger compartment air conditioning Press and hold for temperature setting |   |

## Community findings about heating control



It seems it will target degree lower than you set it to (if I set it to 22C, it will target up to 21C)



## Mirror adjustment

### Mirror adjustment

The vehicle has a working mirror adjustment (only to the right and to the left due to restrictions on the part of OMSI).

To do this, set switch 2 to the mirror to be adjusted and then move switch 1 in the corresponding direction.

To adjust the zoom mirror, switch 1 must be set to the centre position and switch 3 must also be activated.



## Translated readme

Original readme ran through DeepL translator:

<https://cloud.gameburrow.codes/s/mr62f8cdHRYKYPt>

# MAN Interurban Lion's Intercity LE

## QUICK START

Select the manufacturer „MAN Lions Intercity LE“ when placing the vehicle. Here you can now select one of the buses supplied in the AddOn under Type.

Start the electrical system [E] and the motor [M]. Select a gear [D] and release the parking brake [.] . Please note, the brake must be applied to engage a gear. Depending on the pressure in the system, the bus will now start rolling and you can accelerate and steer it.

At night, you should activate the headlights [L] and illuminate the interior [8] [9]. If passengers are to board the bus, you need to set destination signs that passengers „know“ at each stop. This is done in the printer setting menu.

## DRIVER WORKSTATION / DASHBOARD

Below is an overview of the controls in the driver's area of the bus. The individual functions are briefly described on the following pages.

### Dashboard



- |  |  |
|--|--|
| 1 Disable foot retarder  | 22 Windscreen washer system  |
| 2 Disable ASR/ESP  | (Stage 0: off; stage 1: rain sensor; Stage 2: interval slow; stage 3 interval fast)  |
| 3 Disable start-stop   | 23 Sensitivity adjustment rain sensor  |
| 4 Sunblind front window  | 24 Retarder lever  |
| 5 Unlock driver's door   | 25 Retarder maximum level/deactivate retarder  |
| 6 School driving gear  | 26 Light rotary switch (Stage 0: Light off; Stage 1: automatic mode; Stage 2: parking light; Stage 3: low beam; Stage 4: fog lights. [if activated by setvar], otherwise rear fog light; stage light; stage 5: rear fog light) |
| 7 Warning lights   | 27 Gear selector switch  |
| 8 Raise driving level  | 28 Short press= toggle between trip odometer and mileage tachometer; hold down: Reset trip odometer  |
| 9 Autokneeling   | 29 Change fuel gauge between diesel and and Adblue tank  |
| 10 Kneeling  | 30 Multifunction display   |
| 11 Door wing lock  | 31 Control indicators  |
| 12 stop brake  | 32 Speed indicator   |
| 13 Door release (Not in 12C 2-door)  | 33 Rev counter   |
| 14 Car lighting  | 34 Tank gauge  |
| (Stage 1: Door 1 entry lighting only in conjunction with parking lights or low beam; Stage 2: Workstation lighting up to 3 km/h) | 35 Cooling water temperature   |
| 15 Night lighting  | 36 Brake circuit I reservoir pressure  |
| 16 Passenger compartment lighting  | 37 Brake circuit II reservoir pressure   |
| 17 Door button door 1  | 38 Digital tachograph  |
| 18 Door button door 2  | 39 Heating control unit  |
| 19 Door button door 3  | 40 Outside temperature and trip mileage  |
| [Only indicator light and reset button for emergency door release]; door button door 4 (not included in illustration)            | 41 Time and trip odometer or mileage tachometer  |
| [Only indicator light and reset button for emergency door release]   |  |
| 20 Steering wheel adjustment   |  |
| 21 Combined lever  |  |

## Automatic start/stop

Automatic start/stop is dependent on many different variables:

- Cooling water temperature reached
- reservoir pressure high enough
- how far the vehicle is steered
- is a gear engaged
- is the air conditioning/heating running
- Switch 3 in zero position

The automatic start/stop system is triggered under the following conditions:

- EasyStart active
- Stop brake engaged
- Doors open
- Door release active

The vehicle can be restarted as follows:

- Change steering angle
- Actuation of the gas pedal
- By using switch 3



## Side area



- |  |   |
|--|---|
| 1 Mirror adjustment (left/right)                                   | 6 Reversing alarm   |
| 2 Selector switch of the mirror to be adjusted (Left/Center/Right) | 7 Platform ventilator   |
| 3 Adjustment of additional inside mirror                           | 8 Deactivate external emergency door release and reset emergency door release |
| 4 Deactivate stop request buzzer                                   | 9 Roof hatch adjustment   |
| 5 Side blind   | 10 Light test   |

## Heating control system



- |  |   |
|--|---|
| 1 Blower direction                       | 7 Heating/cooling (Dehumidification of the passenger compartment) |
| 2 Blower temperature                     | 8 Preheater   |
| 3 Blower strength                        | 9 Driver climate (not available)                                  |
| 4 Weekday                                | Press and hold Activation of ECO mode                             |
| 5 Display                                | - air conditioner is deactivated                                  |
| 6 Passenger compartment air conditioning | 10 Recirculation mode   |
| Press and hold for temperature setting   |   |

## Mirror adjustment

The vehicle has a working mirror adjustment (due to restrictions on the part of OMSI only to the right and to the left).

To do this, set switch 2 to the mirror you want to adjust and then move switch 1 in the corresponding direction.

To adjust the zoom mirror, switch 1 must be set to the center position and switch 3 must also be activated.



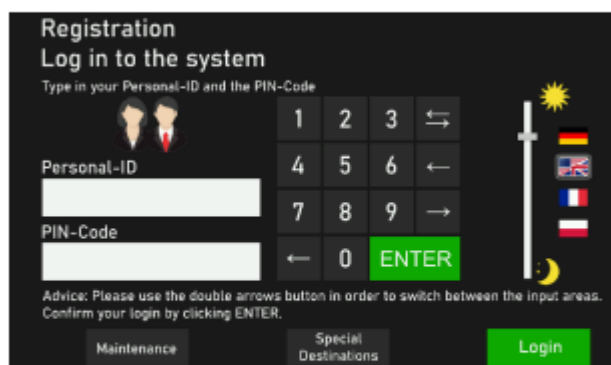
Defender lever

## TICKET PRINTER



The MAN New Lion's City buses use the FJM20 printer, a specially developed ticket printer, which is nevertheless based on a real model. Its functions are presented here.

## Registration




The registration screen has a dark background. At the top, it says 'Registration Log in to the system' and 'Type in your Personal-ID and the PIN-Code'. Below this are two input fields: 'Personal-ID' and 'PIN-Code'. To the right of these fields is a numeric keypad with buttons 1-9, 0, and an 'ENTER' button. There are also left and right arrow buttons. To the right of the keypad is a vertical slider with a sun icon at the top and a moon icon at the bottom, and three country flags (Germany, UK, France). At the bottom, there are three buttons: 'Maintenance', 'Special Destinations', and 'Login'.

After the electronics in the bus have been switched on by pressing the [E] key, the system starts and the driver can log in.

The display language of the printer is changed by selecting the country flag.

Press **ENTER** to confirm the entry of the personnel number 21052 and the PIN code 15067

Subsequently, the login is performed by clicking on the **Login** button.

With the button  it is possible to switch between the input fields „Personnel number“ and „PIN code“.

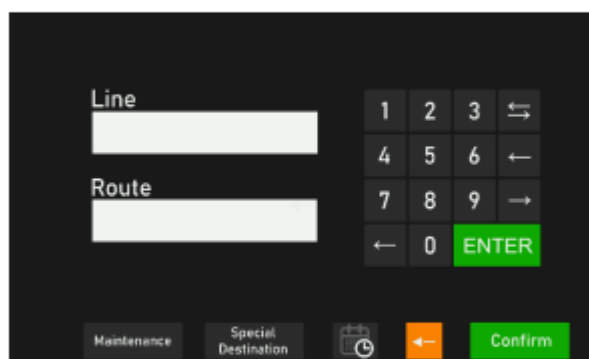
Or you can directly select the fields with   (personnel number with <- and PIN code with ->).

Alternatively you can click directly with the mouse pointer into the respective field.


After login the menu „Line and Route Login“ is displayed.



**NOTE: The personnel number is 21052 and the corresponding PIN code is 15067**

## Enter a line and route





The 'Line and Route Login' screen has a dark background. It features two input fields: 'Line' and 'Route'. To the right of these fields is a numeric keypad with buttons 1-9, 0, and an 'ENTER' button. There are also left and right arrow buttons. At the bottom, there are four buttons: 'Maintenance', 'Special Destination', a clock icon, and 'Confirm'.

With the button  it is possible to switch between the input fields „Line“ and „Route“.

Or you can directly select the fields with   (Line with <- and Route with ->).

Alternatively, you can also click directly with the mouse pointer into the respective field.

The  button takes you to the „Stop overview“ menu. If no line and route is selected, nothing will be shown in the stop overview.

The  button is used to request data from the control centre. This automatically provides the data for line and route entry and will take you directly to the stop overview.

Please confirm your entry. The „Stop overview“ menu will then automatically follow.