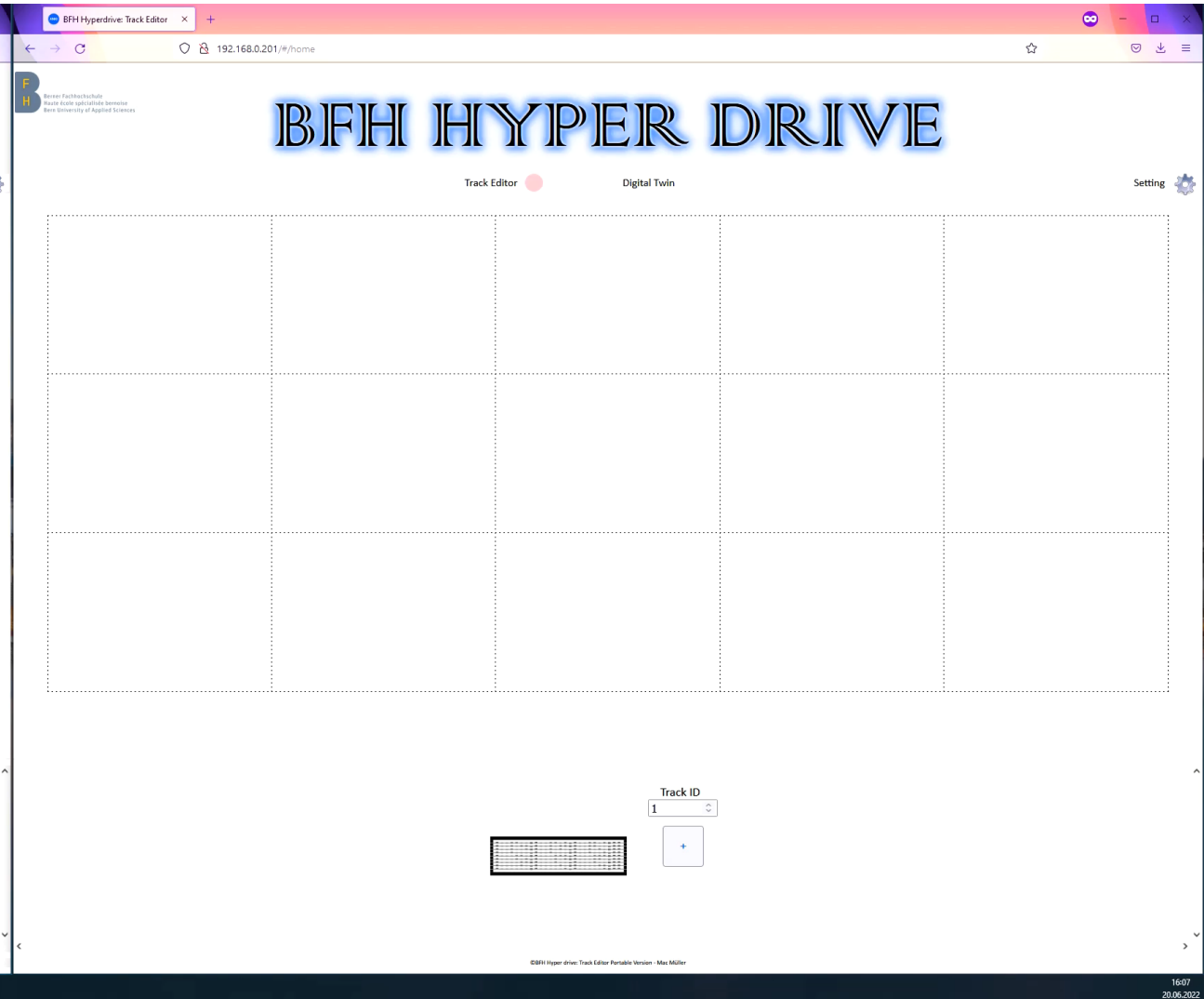
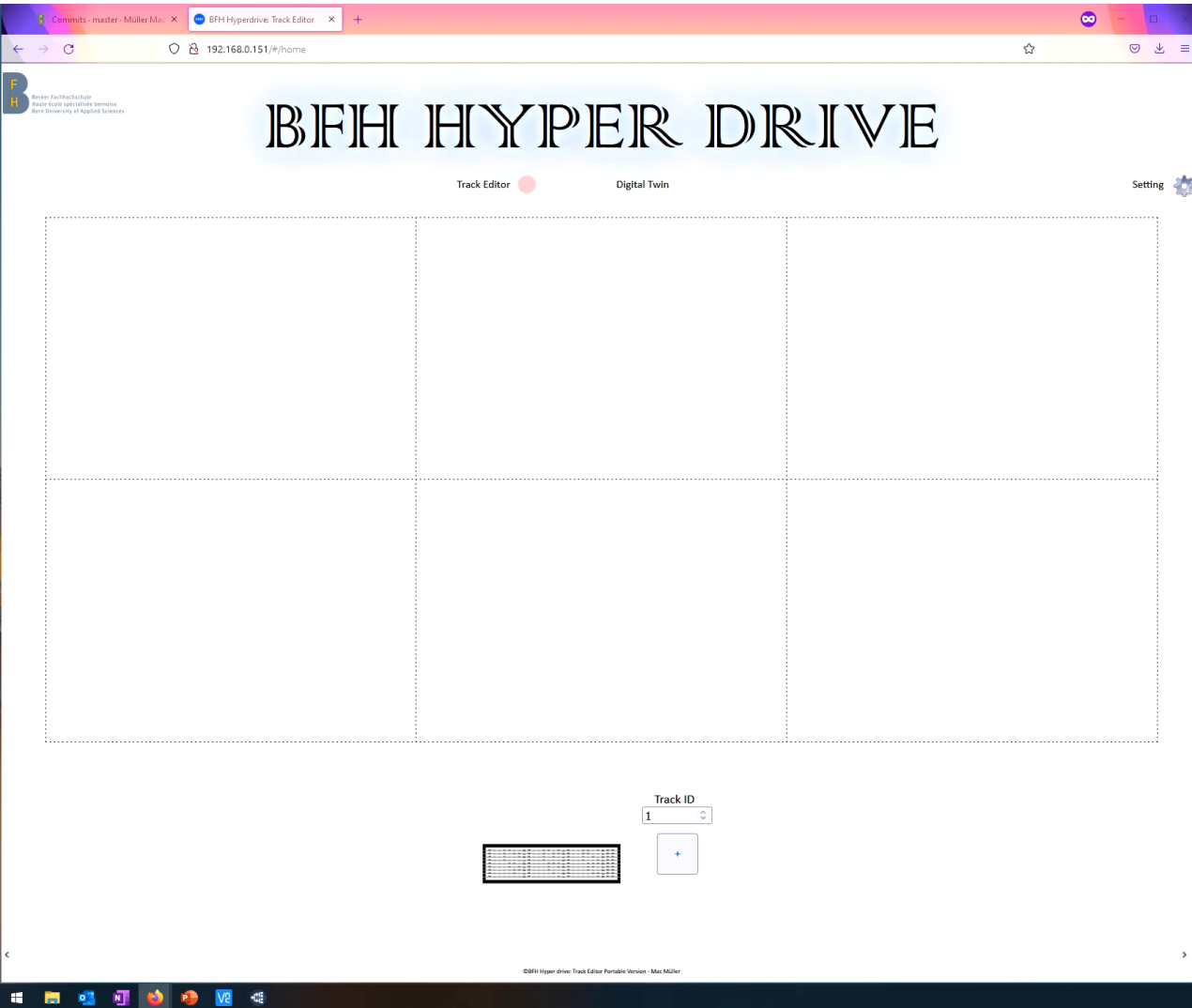




192.168.0.151



192.168.0.201



```
let configSetting = "";
for (let [index, line] of reader.entries()) {
  configSetting += line + "\n"
  if (line === "##### Bridge Config #####") break;
}

configSetting += "\nconnection bridge-01\naddress " + msg['host'] + ":" + msg['port'] + "\ntopic # both 0";
if (msg['username'] != ""){
  configSetting += "\nremote_username " + msg['username'] + "\nremote_password " + msg['password']
}

fs.writeFileSync('/etc/mosquitto/mosquitto.conf', configSetting, function (err) { if (err) throw err;});
exec('systemctl restart mosquitto.service',function(){});
```

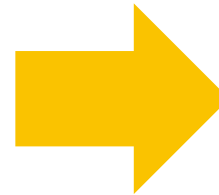
\*mosquitto.conf - Mousepad

File Edit Search View Document Help

```
listener 1883
protocol mqtt
allow_anonymous true

listener 9001
protocol websockets
http_dir /home/pi/Desktop/Frontend
allow_anonymous true

#####
##### Bridge Config #####
```



mosquitto.conf - Mousepad

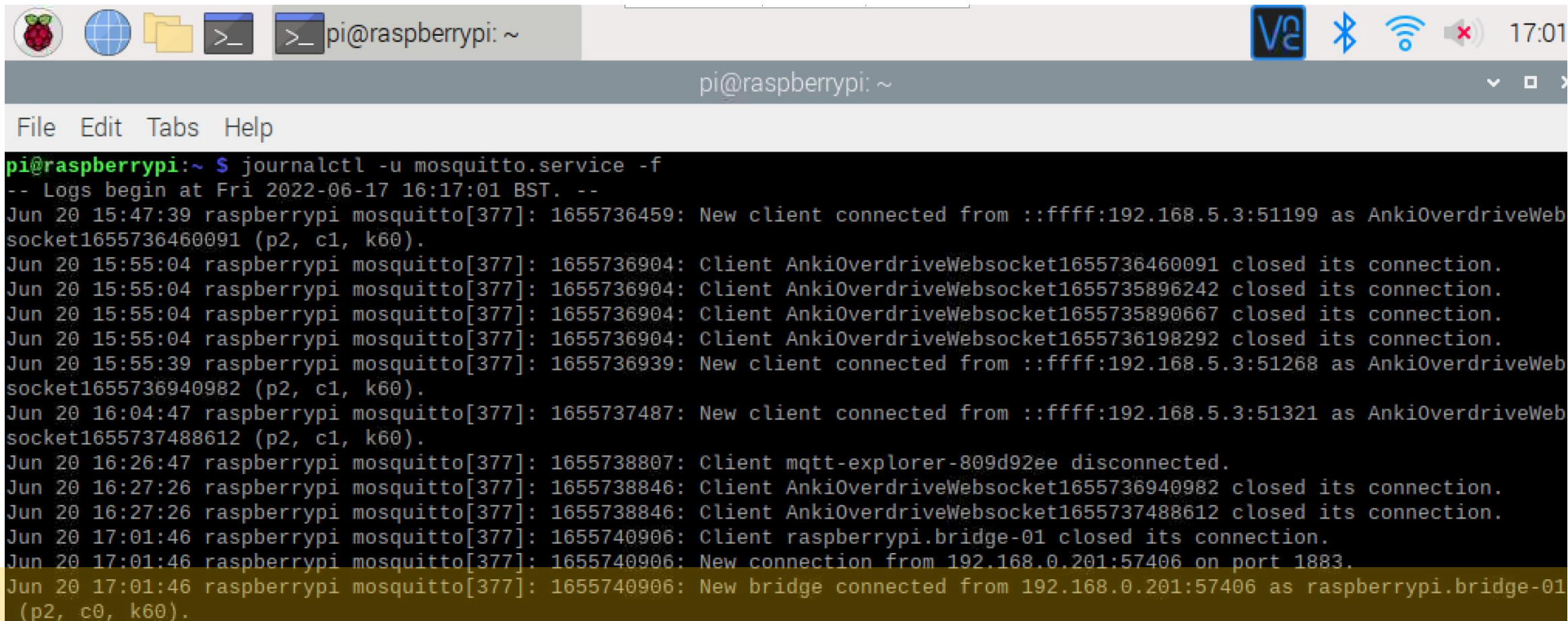
File Edit Search View Document Help

```
listener 1883
protocol mqtt
allow_anonymous true

listener 9001
protocol websockets
http_dir /home/pi/Desktop/Frontend
allow_anonymous true

#####
##### Bridge Config #####

connection bridge-01
address 192.168.0.151:1883|
topic # both 0
```



The image shows a terminal window on a Raspberry Pi. The top bar includes icons for the Raspberry Pi logo, a globe, a folder, and a terminal icon, followed by the text 'pi@raspberrypi: ~'. On the right side of the top bar are icons for VNC, Bluetooth, Wi-Fi, and a red 'X' icon, along with the time '17:01'. Below the top bar is a menu bar with 'File', 'Edit', 'Tabs', and 'Help'. The main area of the terminal displays the output of the command 'journalctl -u mosquitto.service -f'. The logs show several client connections and disconnections, including one from 'AnkiOverdriveWebsocket' and another from 'raspberrypi.bridge-01'. A large yellow arrow points to the last line of the log, which indicates a new bridge connection from '192.168.0.201:57406' as 'raspberrypi.bridge-01'.

```
pi@raspberrypi:~ $ journalctl -u mosquitto.service -f
-- Logs begin at Fri 2022-06-17 16:17:01 BST. --
Jun 20 15:47:39 raspberrypi mosquitto[377]: 1655736459: New client connected from ::ffff:192.168.5.3:51199 as AnkiOverdriveWebsocket1655736460091 (p2, c1, k60).
Jun 20 15:55:04 raspberrypi mosquitto[377]: 1655736904: Client AnkiOverdriveWebsocket1655736460091 closed its connection.
Jun 20 15:55:04 raspberrypi mosquitto[377]: 1655736904: Client AnkiOverdriveWebsocket1655735896242 closed its connection.
Jun 20 15:55:04 raspberrypi mosquitto[377]: 1655736904: Client AnkiOverdriveWebsocket1655735890667 closed its connection.
Jun 20 15:55:04 raspberrypi mosquitto[377]: 1655736904: Client AnkiOverdriveWebsocket1655736198292 closed its connection.
Jun 20 15:55:39 raspberrypi mosquitto[377]: 1655736939: New client connected from ::ffff:192.168.5.3:51268 as AnkiOverdriveWebsocket1655736940982 (p2, c1, k60).
Jun 20 16:04:47 raspberrypi mosquitto[377]: 1655737487: New client connected from ::ffff:192.168.5.3:51321 as AnkiOverdriveWebsocket1655737488612 (p2, c1, k60).
Jun 20 16:26:47 raspberrypi mosquitto[377]: 1655738807: Client mqtt-explorer-809d92ee disconnected.
Jun 20 16:27:26 raspberrypi mosquitto[377]: 1655738846: Client AnkiOverdriveWebsocket1655736940982 closed its connection.
Jun 20 16:27:26 raspberrypi mosquitto[377]: 1655738846: Client AnkiOverdriveWebsocket1655737488612 closed its connection.
Jun 20 17:01:46 raspberrypi mosquitto[377]: 1655740906: Client raspberrypi.bridge-01 closed its connection.
Jun 20 17:01:46 raspberrypi mosquitto[377]: 1655740906: New connection from 192.168.0.201:57406 on port 1883.
Jun 20 17:01:46 raspberrypi mosquitto[377]: 1655740906: New bridge connected from 192.168.0.201:57406 as raspberrypi.bridge-01 (p2, c0, k60).
```



192.168.0.151



192.168.0.201

Commits - master - Müller Mac x BFH Hyperdrive: Setting x +

192.168.0.151/#/setting

# BFH HYPER DRIVE

Track Editor Digital Twin CLOSE(X) ⚙

### Track setting

Lanes: 8  Save

### Editor setting

Column: 3  Save

Row: 2  Save

Editor will be reset, all your works will be lost!

### Import

Durchsuchen... Keine Dateien ausgewählt. Import

### Export

Track  
SVG format  
Export track

Track pieces  
SVG format  
Export track pieces

### Connection status

MQTT client: -  
Host(Ank): -  
Cars: -  
Refresh

### MQTT Client setting

MQTT host: 192.168.5.5

MQTT port: 9001

MQTT base path: ws

MQTT username:

MQTT password:

Save

### MQTT bridge command

MQTT host: 192.168.5.5

MQTT port: 9001

MQTT username:

MQTT password:

SET to MQTT bridge

Share track Get shared track

©BFH Hyper drive: Track Editor Portable Version - Mac Müller

Commits - master - Müller Mac x BFH Hyperdrive: Setting x +

192.168.0.201/#/setting

# BFH HYPER DRIVE

Track Editor Digital Twin CLOSE(X) ⚙

### Track setting

Lanes: 8  Save

### Editor setting

Column: 5  Save

Row: 3  Save

Editor will be reset, all your works will be lost!

### Import

Durchsuchen... Keine Dateien ausgewählt. Import

### Export

Track  
SVG format  
Export track

Track pieces  
SVG format  
Export track pieces

### Connection status

MQTT client: -  
Host(Ank): -  
Cars: -  
Refresh

### MQTT Client setting

MQTT host: 192.168.0.201

MQTT port: 9001

MQTT base path: ws

MQTT username:

MQTT password:

Save

### MQTT bridge command

MQTT host: 192.168.0.151

MQTT port: 1883

MQTT username:

MQTT password:

SET to MQTT bridge

Share track Get shared track

Please wait 3 seconds after click!

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192.168.0.151



192.168.0.201

BFH HYPER DRIVE

Track Editor Digital Twin

Setting

©BFH Hyper drive: Track Editor Portable Version - Max Müller

Name: e976d4f116a0

Speed: 0

Track Piece: 0

Track Location: 0

Move Left Move Right

Name: d205ffe02cb

Speed: 0

Track Piece: 0

Track Location: 0

Move Left Move Right

Name: f4c22c6c0382

Speed: 0

Track Piece: 0

Track Location: 0

Move Left Move Right

Name: ef7e50bbe16

Speed: 0

Track Piece: 0

Track Location: 0

Move Left Move Right

BFH HYPER DRIVE

Track Editor Digital Twin

CLOSE(X)

Setting

Track setting

Lanes: 8

Save

Editor setting

Column: 5

Row: 3

Save

Editor will be reset, all your works will be lost!

Import

Durchsuchen... Keine Dateien ausgewählt. Import

Export

Track

SVG format

Export track

Track pieces

SVG format

Export track pieces

Connection status

MQTT client: -

Host(Ankl) : -

Cars: -

Refresh

MQTT Client setting

MQTT host: 192.168.0.201

MQTT port: 9001

MQTT base path: ws

MQTT username:

MQTT password:

Save

MQTT bridge command

MQTT host: 192.168.0.151

MQTT port: 1883

MQTT username:

MQTT password:

SET to MQTT bridge

Share track

Get shared track

Please wait 3 seconds

©BFH Hyper drive: Track Editor Portable Version - Max Müller



192.168.0.151



192.168.0.201

BFH HYPER DRIVE

Track Editor ● Digital Twin Setting

Four car control panels at the bottom:

Name: e976d4f116a0	Name: d205effe02cb	Name: f4c22c6c0382	Name: ef7e50abbe16
Speed: 0	Speed: 0	Speed: 0	Speed: 0
Track Piece: 0	Track Piece: 0	Track Piece: 0	Track Piece: 0
Track Location: 0	Track Location: 0	Track Location: 0	Track Location: 0
<span>Move Left</span> <span>Move Right</span>	<span>Move Left</span> <span>Move Right</span>	<span>Move Left</span> <span>Move Right</span>	<span>Move Left</span> <span>Move Right</span>

©BFH Hyper drive: Track Editor Portable Version - Mac Müller

BFH HYPER DRIVE

Track Editor ● Digital Twin Setting

Four car control panels at the bottom:

Name: e976d4f116a0	Name: d205effe02cb	Name: f4c22c6c0382	Name: ef7e50abbe16
Speed: 0	Speed: 0	Speed: 0	Speed: 0
Track Piece: 0	Track Piece: 14	Track Piece: 0	Track Piece: 0
Track Location: 0	Track Location: 1	Track Location: 0	Track Location: 0
<span>Move Left</span> <span>Move Right</span>	<span>Move Left</span> <span>Move Right</span>	<span>Move Left</span> <span>Move Right</span>	<span>Move Left</span> <span>Move Right</span>

©BFH Hyper drive: Track Editor Portable Version - Mac Müller