

## IntegraBus

GLB-100

GLOBUS

Coach multimedia player and tourist information system



## Datasheet Rev. 01

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## 1. Product Overview

GLOBUS device is a multimedia player and geographic position-based tourist information system. The played video can be displayed on integrated screen, and the sound can be heard on integrated speakers of the public transport vehicle.

In cooperation with an IntegraBus Wifi device, the passengers of public transport vehicles can play film or music content on any mobile devices.

The multimedia and POI content can be stored inside the device or externally on a USB drive. The internally stored contents can be upgraded by the integrated CMS (content management system).

Easy installation, the device outputs can be brake-in connected to the existing audio/video system of the vehicle.

## 2. Electrical Specification

		<b>Min.</b>	<b>Norm.</b>	<b>Max</b>	
1.	Supply Voltage	10	24	48	<b>V</b>
2.	Operating Temperature	-20		+85	<b>°C</b>
3.	Operating Supply Current @24V		0.5	2	<b>A</b>

## 3. Features

CPU	Broadcom BCM2837B0, Cortex-A5,3 64 bit, 1.4GHz
RAM	1GB
Internal data storage	64GB
Startup time	45 sec
Video output	Composite Video, PAL HDMI
Video Input	Composite Video, PAL HDMI
Audio output	1 x BOSCH coach microphone compatible, with PTT (Push-To-Talk) feature, 1 x Stereo Line level audio output,
Audio input	2 x BOSCH coach microphone compatible, with PTT (Push-To-Talk) feature

- Media player and geographic position-based tourist information system,
- Films, POI, map, and other special tourist information can be displayed on the integrated display of the coach.
- Films and Music can be played on passenger's mobile device,
- POI and multimedia content is stored on the internal 64GB storage,
- Content can be played from connected external USB Drive. The format of USB drive is defined.
- Integrated CMS (content management system) for the easy handling of multimedia files and route descriptions,
- Wired remote controller for the quick access of different features and contents,
  
- Smart device mirroring (digital picture conversion into analogue)
- Integrated microphone select function with two external standard BOSCH microphone input
- Rugged, industrial construction ensures you a continuous functionality during the whole travel and under any temperature conditions,

#### 4. Certifications

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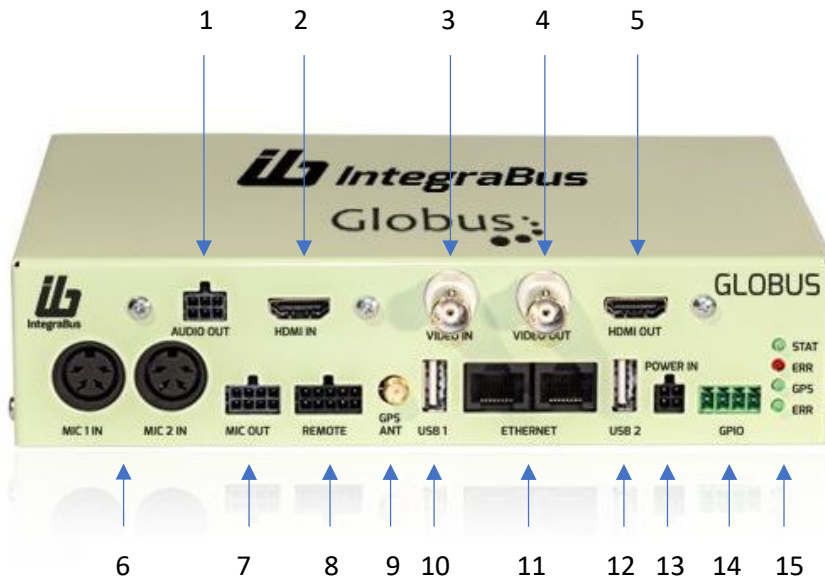
ECE R118 certification  
ECE R10

#### 5. Mechanical Specification

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- Metal housing dimensions: 210mm x 50mm x 170mm

## 6. Connectors and Pinouts



	Function		Connector
1	Line level stereo audio output		MicroFit3(Tm)
2	HDMI input		HDMI
3	CVBS (analog) video input, PAL		BNC
4	CVBS (analog) video input, PAL		BNC
5	HDMI output		HDMI
6	Microphone inputs		DIN4 x 2
7	Microphone output (MicroFit3(Tm) to DIN4 adapter cable included)		MicroFit3(Tm)
8	Remote controller port		MicroFit3(Tm)
9	GPS antenna input		SMA - female
10	USB port		USB-A
11	Ethernet port		RJ45 x 2
12	USB port		USB-A
13	Power input	1 Power In (Battery)	MicroFit3(Tm)
		2 Display enable output	
		3 Power GND	
		4 Ignition In (Switched)	
14	General purpose inputs/outputs		Terminal block
15	Status Indicators		-

## 7. Document History

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rev	History	Date	Author
R01	First release	2023.10.03.	epapp