

# Digital remote control for guitar amplifiers

## Development status

### Phase 4

**The transition from the prototype to the final and fully functional form.** At this stage, the prototype is already fully tested, or the technology is certified and ready for mass deployment.

## IP protection status

Utility Pattern nr. 32167 and CZ Patent nr. 307875 Digital remote control of analog potentiometers for guitar amplifiers. European patent application nr. 19160447.9 is in process on EPO.

## Partnering strategy

*licensing*

## Institution

**jctt** Jihočeské Univerzitní  
a Akademické centrum  
transferu technologií  
**University of South Bohemia in  
České Budějovice**

## Challenge

Manufacturers of music amplifiers do not allow interference with the design of the device for any purpose. This solution allows you to significantly expand the functionality of the amplifiers without the user having to interfere with them in any way (from the inside or outside). That's the deciding factor. Without the need to intervene in the design of the amplifier, its functionality will be greatly expanded by remotely changing the sound of music.

## Description

The designed remote control is designed for manufacturers of analog music amplifiers. This is a completely new approach to the installation options for these devices. You can change the sound of music with the device installed on the amplifier and foot pedal, which is the device's remote control. The main advantage is that there is no similar device on the market that allows remote control of the device without disturbing the interior design. Basic advantages: - no change is needed on the amplifier - no damage to the amplifier - easy connection - controlled by Footswitch - predefined sounds - foot pedal - continuous changes in the position of the knob (amplification, height, volume...)

## Commercial opportunity

The device is designed for producers of musical instruments, especially analog music amplifiers.