

Foreword: disclaimers to be added in the general section

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Digital Controller Operation – USB, Bluetooth & MIDI interfaces

The **DualKlonz** amplifier is equipped with a couple of pre-amplifiers (Vintage, Modern) plus a power-amplifier, delivering a total of 27 remotely controlled relays, with which is possible to change circuit configurations, signal paths and components value.

The remote control is done using the **KLC** - Klonz Labs Controller, which provides **MIDI, USB** and **BLE** (Bluetooth Low Energy) interfaces.

An easy-to-use **KLC app** is available for the **iOS** (**BLE** only) and **Android** (**BLE, USB**) platforms.

To install it into your device simply launch the **App Store** (**iOS**) or **Play Store** (**Android**) and search for Klonz.

Refer to the [help file embedded into the app](#) for full features and details.

MIDI Program Change message 0..127 is used to select specific patterns.

Factory presets start at PC 0 for the Vintage Channel; at 24 for the Modern Channel.

Refer to the help file contained into the app for MIDI details.

Hardware & System Requirements

iOS

- **iOS** 8.0 or later
- **iPhone** 4s or later
- **iPad** with **Retina** display (3 Gen) or later
- **iPad Mini** or later
- **iPad Pro** or later
- **iPod Touch** 5 Gen or later
- **KLC app**

Android

- **Android** 4.3 (**Jelly Bean**) or later
- Devices that support **BLE** (Bluetooth Low Energy)
- Devices that support **USB-OTG** (On The Go)
- **KLC app**

Additional remarks for android devices:

- It's mandatory that the android device supports **BLE**, "Basic" Bluetooth (prior to 4.0) is not supported
- The **USB** interface in the app is disabled by default to speed up the **BLE** connection: in order to use **USB**, be sure to activate it into the app
- Always connect the android tablet/phone to the amp using an [OTG adapter](#) plus a USB cable