heed

STR 1 EXPANSION CARD for ABACUS

SPECIFICATIONS

Inputs: 1X USB A terminal for USB-to-WiFi or USB-to-ETHERNET adapter
WiFi adapter support: RTL8811AU, RTL8811CU, RTL8812BU chipsets
ETHERNET adapter support: AX88179QF, AX88179AQF, AX88772C chipsets
Input signal formats:
 - PCM 44.1, 48, 88.2, 96, 176.4, 192, 352.8, 384 kHz, max. 32 bit
 - DSD64, DSD128, DSD256 native

INSTALLATION GUIDE FOR ABACUS

- remove case top (6 screws) with 2mm hex allen key
- replace backplate blank cover with supplied cover, text visible from outside
- attach STR board, take care for correct mounting of the bottom connector
- fasten the board with 2 supplied screws
- connect the supplied foil cable to the Abacus J10, pins facing outwards
- connect the cable to the STR board (open, attach cable, then close connector lock)
- replace the Abacus microcontroller with the supplied part
- reattach case top, then connect WiFi or ETHERNET adapter

Designed and manufactured by Heed Audio Kft. (Ltd.), Made in the EU

QUICK START GUIDE

- Install **mconnect Control** for phone or **mconnect Control HD** for tablet from **App Store** or **Google Play**

ETHERNET CONNECTION:
- connect the ETHERNET adapter to the Abacus with USB, then to your router with a LAN cable
- the STR board will get an IP address automatically, using DHCP
- if the connection is OK, the Abacus will show **ETHERNET**, and a few moments later it is ready to use
- the WiFi settings in the control app (described below) are also available in ETHERNET connection mode

WIFI CONNECTION:
1. WPS:
- select input 6 on Abacus
- with the remote control, select **WIFI REG**, then **WPS mode** in the menu
- when the Abacus shows „WPS ON", press the WPS button of your router
- if the connection is OK, the abacus will show „WIFI", and a few moments later it is ready to use
2: Software AP mode:
- select input 6 on Abacus
- with the remote control, select **WIFI REG**, then **softAP** in the menu
- when the Abacus shows **softAP**, it has an access point enabled, the name starts with **ABACUS_**
- with your mobile device, connect to this WiFi network, the password is: `password`
- in the control app, select the „*Play to*" tab, and choose **HEED Abacus** (a refresh may be needed)
- select the „*Player*" tab, then with the gear icon select „*Device Setup*" and „*WiFi Network Selection*"
- in the list choose your WiFi network, type in your password and connect
- if the connection is OK, the abacus will show „WIFI", and a few moments later it is ready to use