ForceSync

Universal custom saber control smartphone App

User Guide

FEATURES

Specifications and features:

– available on iOS and Android platforms
– supports following sound boards:

– Proffieboard v1.5, v2.2, v3 (Open Source board)	**(Proffieboard)**
– TeensySaber v2, v3 (Open Source board)	**(Proffieboard)**
– Golden Harvest v4 (by SaberTec)	**(GHv4)**
– Crystal Focus v10 (by Plecter Labs)	**(CFX)**
– Crystal Focus (by Plecter Labs)	**(CF)**
– Prizm (by Plecter Labs)	**(Prizm)**
– Crystal Shard (by Plecter Labs)	**(CS)**

– comes in LITE and PRO versions:

LITE version (free):
• volume changing, partial remote control and blade color changing for Plecter boards
• FULL remote control for Proffieboard
• Music tracks add, play, pause, delete
• Show a list of programmed Presets on the Proffieboard
• FULL control for Golden Harvest v4

PRO version (paid in-app upgrade from Lite version):
• FULL sound board control, setup and debug functionality for Plecter boards
• FULL control for Golden Harvest v4
• Debug screen for Proffieboard
• Firmware version info indication for Proffieboard and CFX board
• Set bluetooth BT909 and BT630 module Name and Passcode directly from the app

– recommended bluetooth modules to use with the App (buy only from these sellers: TheCustomSaberShop, SaberBay Etsy, KR-sabers, JQ sabers, Guardian Sabers, ShtokCustomWorx, other may not work properly):
• **BT909** (preferred) – has better signal range and stable connection
• **BT630** (use only when BT909 doesn't fit) – has a weak signal and unstable connection

Download Links:

iOS (iPhone and iPad):
Apple App Store

Android (smartphones):
Google Play Market

Demonstration and tutorial videos:

Video 1
Video 2

user guide made by Dmitry Shtok

# HOW TO USE

1 Download and install the app.
When launching the app make sure Bluetooth on your smartphone and in your saber is turned ON and you allow Location Services for this app on Android.
Click on one of the found devices (sabers).
Type in the default Passcode 000000 or 123456 (if asked), or ask your saber manufacturer which Passcode (PIN code) to use.

If no devices are found, make sure:
– bluetooth module is BT909 or BT630 and is turned ON in your saber
– you allowed Location Services for this app on Android
– TX is wired to RX and RX is wired to TX pad between sound board and the bluetooth module
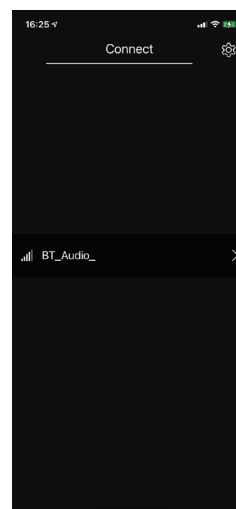
2 On the "Core" screen swipe left/right to choose the sound board that is installed in your saber.
Tap the required sound board icon.

If you are returned back to the "Connect" screen after clicking on the chosen sound board icon or non of the buttons work on the "Remote Control" screen, make sure:
– TX is wired to RX and RX is wired to TX pad between sound board and the bluetooth module
– For CFX board check if you have logport=2 parameter set in the main config.txt file on SD card
– Your saber is in the sufficient range from your smartphone
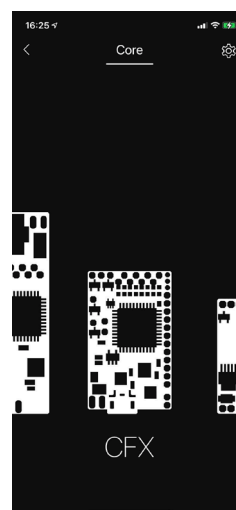
3 On the "Menu" screen for CFX and Proffie/TS boards tap the circular arrows icon in the center of crystal to reboot the board if saber doesn't respond to any controls, it will wake up the CFX board in case it went into Sleep Mode. You can no longer control your saber if it went into Deep Sleep mode, you need to wake it up by buttons on the saber.

Running arrows animation on the both sides of the center crystal indicates outgoing and incoming commands communication between the App and the saber.
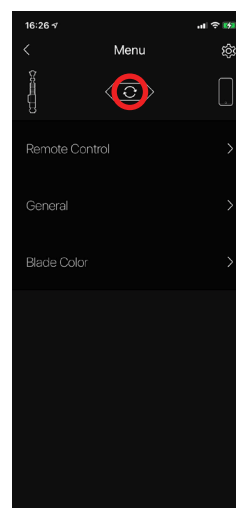
HOW TO USE

4 In PRO version you can change your saber bluetooth module Name (2 names) and Passcode (can be 4 or 6 digits). From any screen in each board starting from the "Menu" screen tap the "Settings" icon in the top right corner. Now tap the "Enter Settings" button, after button turned green tap the Name or Passcode field and type a new name or passcode (use only latin letters and numbers), tap the "return"/"done"/"enter" button on the keyboard.
"Name" will be displayed for the module in SPP mode when you connect from PC, "Name 2 (LE)" is for BLE mode when you connect from your smartphone ForceSync app. Return to the previous screen to exit settings.

– if the field turned green after you tap "return" button on the keyboard, it means the parameter was changed.
– if one of the fields turned red, it means this parameter wasn't changed. Try a different name or passcode.

After the Passcode has been changed, go to your smartphone OS Bluetooth Settings section and forget/unpair your saber bluetooth device that was added earlier, it will erase the paired device info in your smartphone and will allow you to add/pair your saber device again with a new Passcode. Now you can return to the ForceSync app "Connection" screen and connect to your saber using a new Passcode.
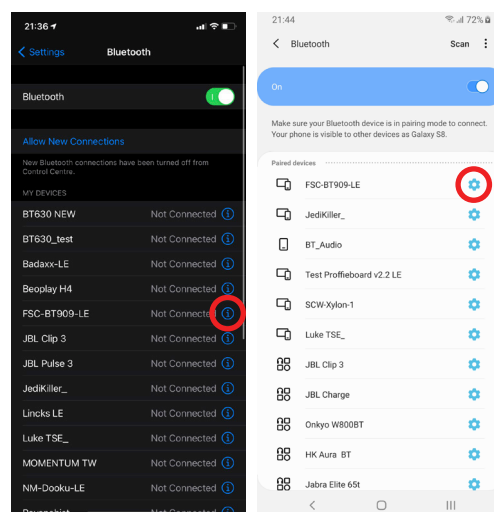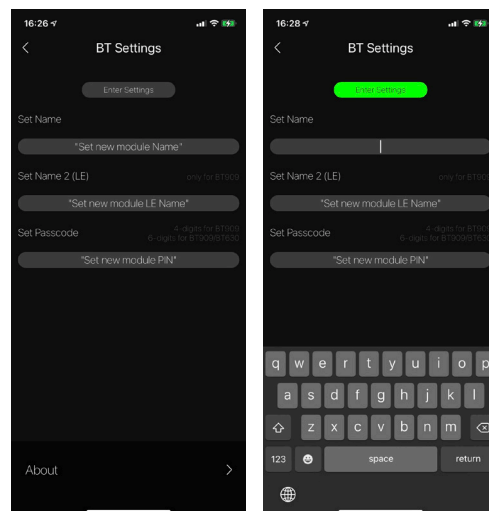
If you have any questions left, please contact us:

• ForceSync App page on facebook (ENG/RUS)
• ShtokCustomWorx page on facebook (ENG/RUS)
• ShtokCustomWorx page on VK (RUS)
• ForceSync App email (ENG/RUS): forcesyncapp@gmail.com

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