

# DESIGNING A **POCKET ORGAN**

## 设计一款**口袋乐器**

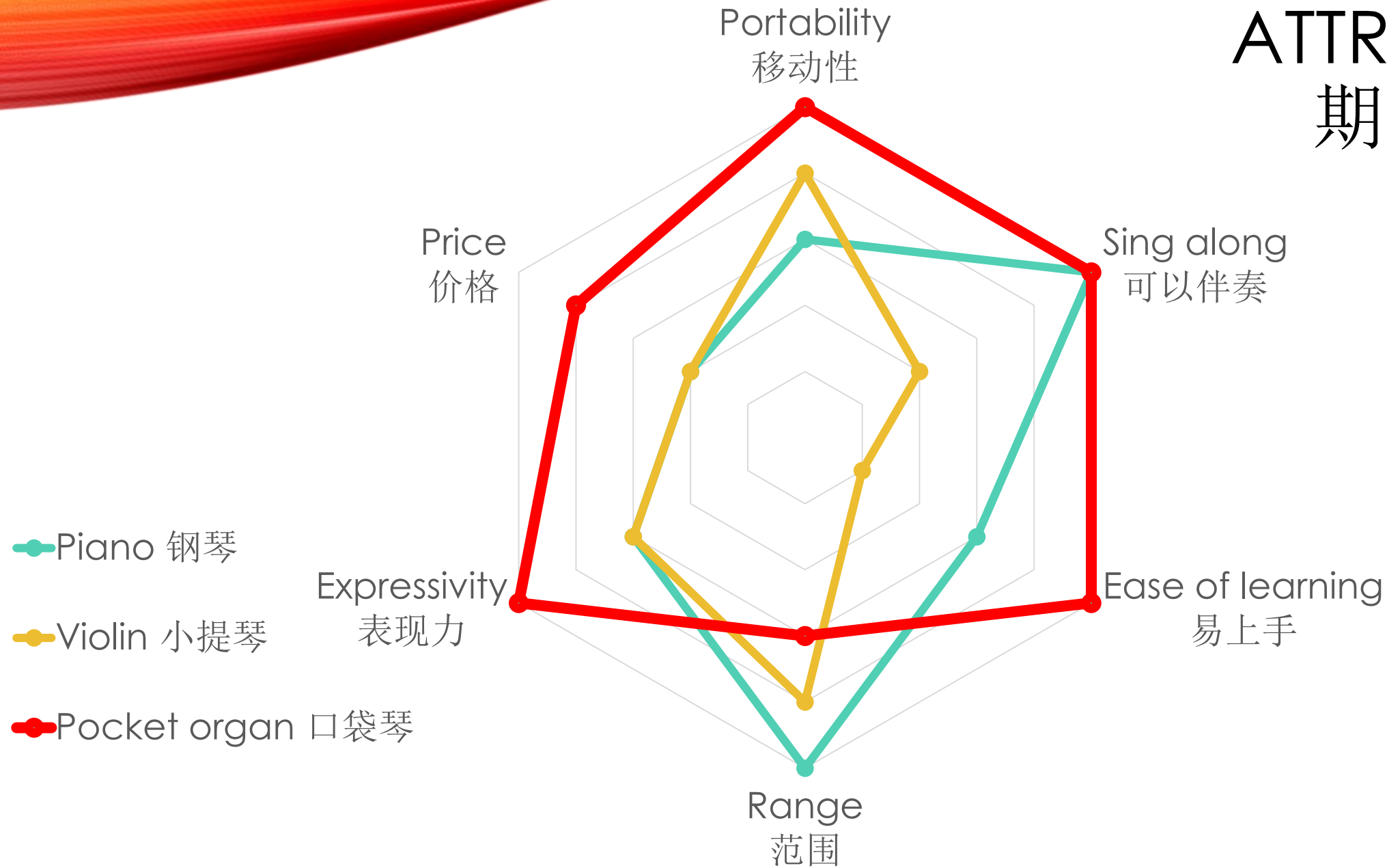
A mobile, chord-based, easy-to-learn instrument.

已和弦为主，易上手的随身乐器。

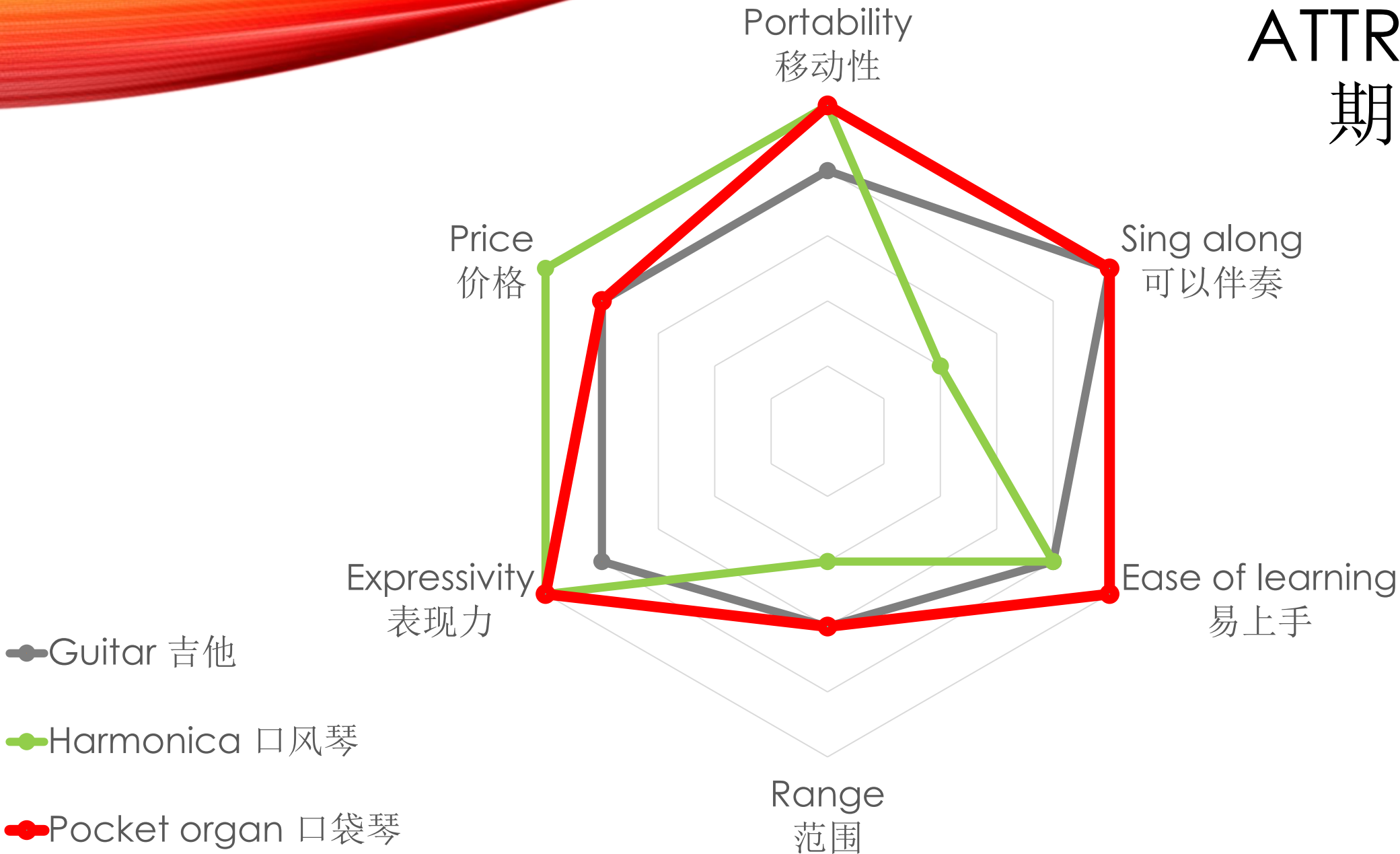
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# DESIRABLE ATTRIBUTES 期望特性



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# USE CASES

## 用例

### Target audience:

目标者:

- Beginner musicians

### Use cases:

用例:

- Practice on the go  
随时随地锻炼
- Play as you sing  
边唱边弹
- Accompany friends singing  
小卷伴奏





# INSTRUMENT LAYOUT

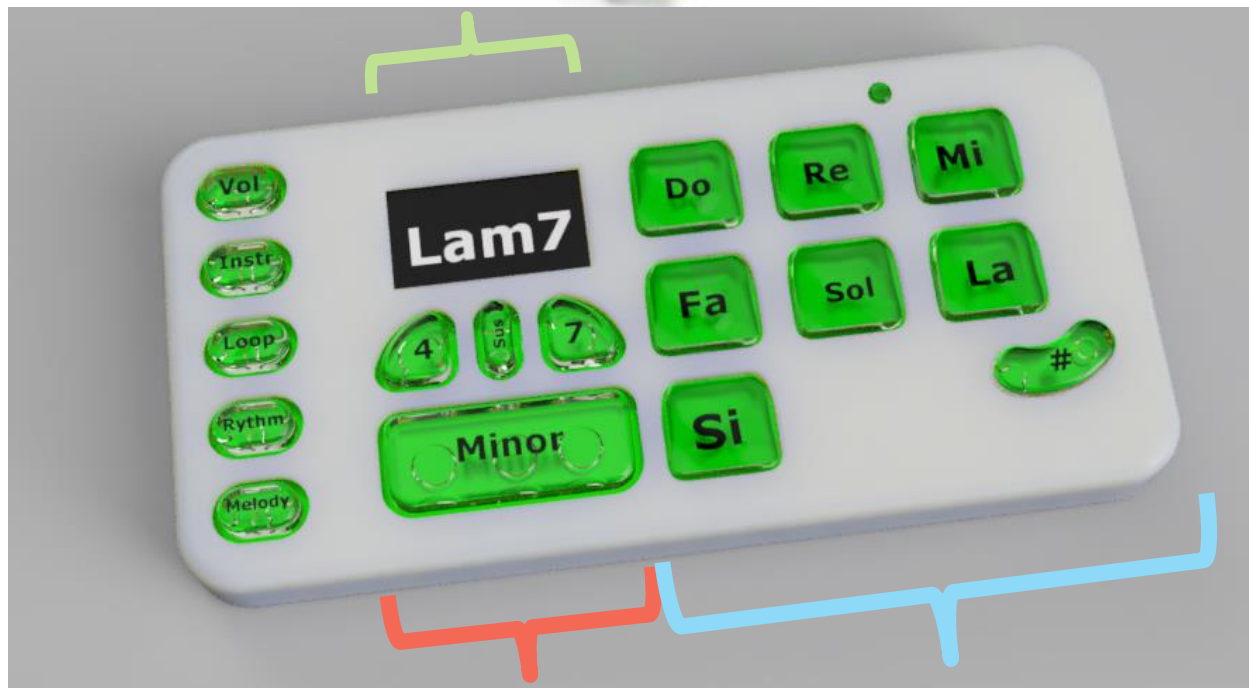
## 乐器的样子

USB for MIDI &  
charging  
USB充电与MIDI接口

Headphone jack  
耳机插座

Display:  
Tells you what  
you're playing!  
屏幕显示您现在在谈  
什么

Chord variant  
modes  
其它和弦按键



**Analog keys,**  
Major chords by  
default  
模拟压力按键  
默认是大调

Backlit for loops  
navigation  
背光支持循环点选

# PLAYS LIKE A GUITAR (ONLY, EASIER)

## 比吉他还容易



Do Sol  
In the jungle, the mighty jungle  
Do La  
The lion sleeps tonight  
Do Sol  
In the jungle, the mighty jungle  
Do La  
The lion sleeps tonight

# CURRENT PROTOTYPE

## 先有的样件



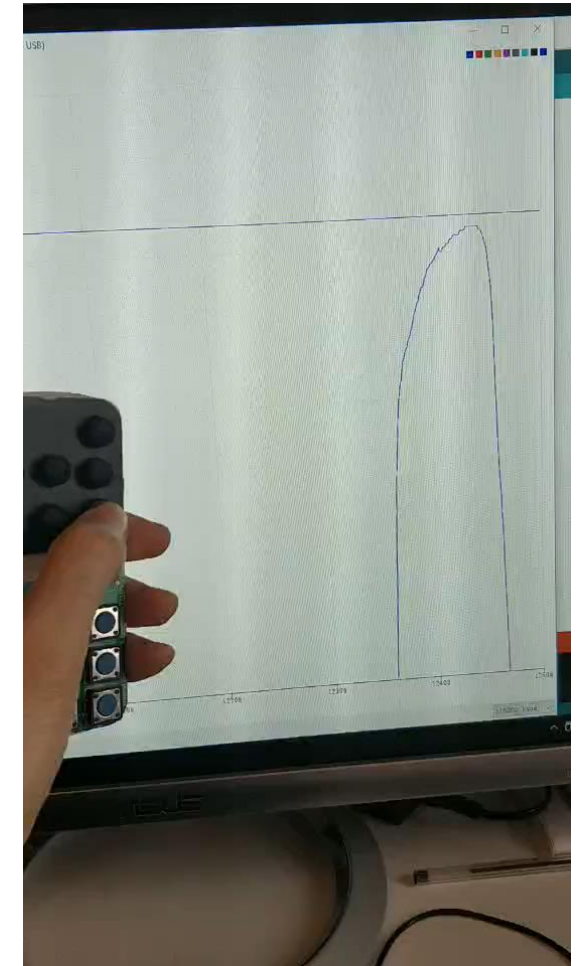
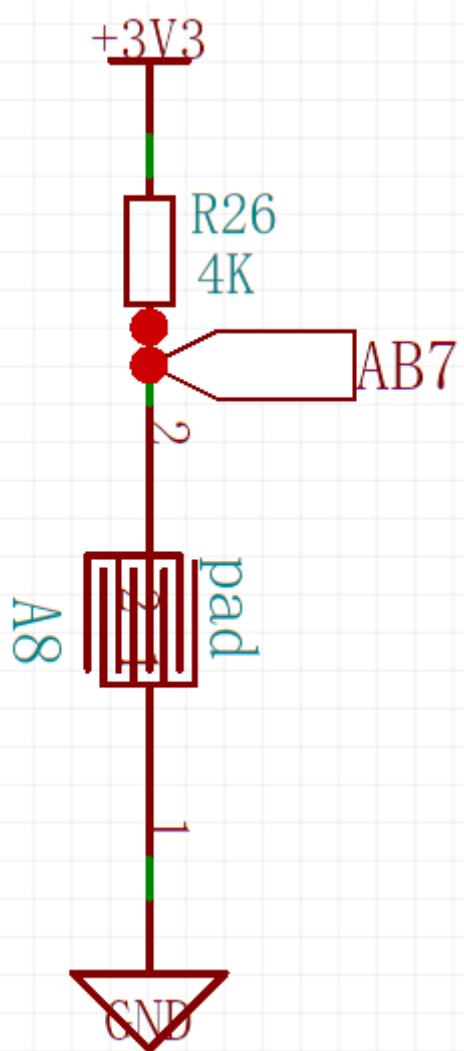
### What's working 已实现

- Analog buttons expression  
模拟按键与表现力
- Chords & melody  
和弦与单音模式
- Midi synth & battery  
合成器与电池
- Midi USB
- 3D-printed enclosure,  
home-cast silicone  
keyboard  
外壳是3D打印，硅胶键盘用  
3D打印的模具



# ANALOG VELOSTAT KEYS

## 模拟按键







THANK YOU  
谢谢