

[Home](#) * [Engines](#) * **Square Off**

[Home](#) * [User Interface](#) * [Sensory Board](#) * **Square Off**



Square Off ^[4]

Square Off,

a [dedicated robot sensory board](#) by *InfiVention Technologies* for playing remote versus other Square Off players all over the world - or against an integrated chess engine of the controlling [mobile app](#). The board was announced in October 2016, when InfiVention's CEO and CTO [Bhavya Gohil](#) and [Aatur Mehta](#) started their campaign to raise money for funding to undertake bulk orders, and was first delivered in February 2018 ^[1].

Square Off uses a compact two axis [robotic arm](#) with [electromagnet](#) beneath the box to move the magnetic pieces without mechanical collisions, controlled by an [Arduino Mega](#) ^[2] with [ATmega 2560](#) chip ^[3], which further is responsible to detect the piece movement by magnetic square sensors and implements the [Bluetooth](#) connection to the [smartphone](#).

Table of Contents

[See also](#)

[Forum Posts](#)

[External Links](#)

[Reports](#)

[Apps](#)

[Videos](#)

[References](#)

[What links here?](#)

See also

- [Arduino - Square Off](#)
- [DGT Board](#)

Forum Posts

- [A new Robot?](#) by dedicate computers, [Hiarcs Forum](#), October 13, 2016 » [Square Off](#)
[Re: A new Robot?](#) by Scally, [Hiarcs Forum](#), August 01, 2017
- [Received my Square Off board today](#) by [Alain Zanchetta](#), [Hiarcs Forum](#), February 04, 2018

External Links

- [Square Off - World's Smartest Chess Board](#)
- [Square Off - World's Smartest Chess Board by InfiVention Technologies — Kickstarter](#)
- [Square Off - World's Smartest Chess Board | Indiegogo](#)

Reports

- [World's smartest chess board is here!](#) by [Sagar Shah](#), [ChessBase News](#), October 13, 2016
- [Arduino Blog » Square Off is a chess board with a high-tech twist](#), October 17, 2016

Apps

- [Square Off Chess on the App Store](#)
- [Square Off – Android-Apps at Google Play](#)

Videos

- [Square Off - YouTube](#)
- Square Off - A Chess Board with a Tech Twist, [YouTube](#) Video
- [CES 2018](#): Square Off Smart Chessboard, [YouTube](#) Video

References

1. ^ [Received my Square Off board today](#) by [Alain Zanchetta](#), [Hiarcs Forum](#), February 04, 2018
2. ^ [Arduino Blog » Square Off is a chess board with a high-tech twist](#), October 17, 2016
3. ^ [ATmega2560 - 8-bit AVR Microcontrollers](#)
4. ^ Image clipped from [Square Off - World's Smartest Chess Board by InfiVention Technologies — Kickstarter](#)

What links here?

Page	Date Edited
Alain Zanchetta	Feb 20, 2018
Arduino	Feb 21, 2018
Dedicated Chess Computers	Feb 20, 2018
DGT Board	Feb 21, 2018
Engines	Mar 10, 2018
Robots	Feb 20, 2018
Sensory Board	Mar 1, 2018
Square Off	Feb 21, 2018
User Interface	Feb 21, 2018

[Up one level](#)