

Product Description

The Andante Medical Devices iSmartStep SSM2011, referred to as the EUT in this report, is a Bluetooth adaptor for iPod / iPhone, based on [CSR's BlueCore5 chipset](#).

The product is connected to iPod/iPhones devices through the 30-pin connector

The product is use by Andante iSmartStep application (Apple iOS Application) to communicate with the SmartStep Control Unit (*SmartStep Control Unit FCC ID: TWMSMARTSTEP0106*). It uses the Bluetooth SPP (Serial Port Profile) to communicate with SmartStep Control Unit.

The product includes iPod/iPhone interface firmware; this is used to communicate with the iOS App directly.

SmartStep
Control Unit



iSmartStep
Application



SSM2011
Bluetooth
Adaptor



The **SSM2011 Bluetooth Adaptor** is connected to the iPod / iPhone 30 Pin connector and wirelessly communicate with the SmartStep Control Unit

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The SSM2011 Bluetooth adaptor software includes a Baseband implementation complete in terms of features required by the SPP profiles.

Complete Bluetooth Solution

- Complete 2.4GHz Radio Transceiver and baseband (2.401~2.479GHz with Frequency Hoping)
- CSR BlueCore5 Multimedia chipset
- Compliant with Bluetooth v2.x +EDR spec.
- Full speed Class 2 Bluetooth operation (rated power 4dBm)
- Operating range > 10M (33 ft.)

The product uses the iPod / iPhone power

The product oscillation is 26MHz and uses a **FSK/DQPSK** modulation.

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