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Product Features

Designed to indicate the presence of an active recording system the Storm ATP Microphone Activation Sensor incorporates a highly visible and tactile microphone icon.

The device also includes an infrared (IR) proximity sensor that can be used to activate a microphone for Speech Recording or Voice Commanded applications.

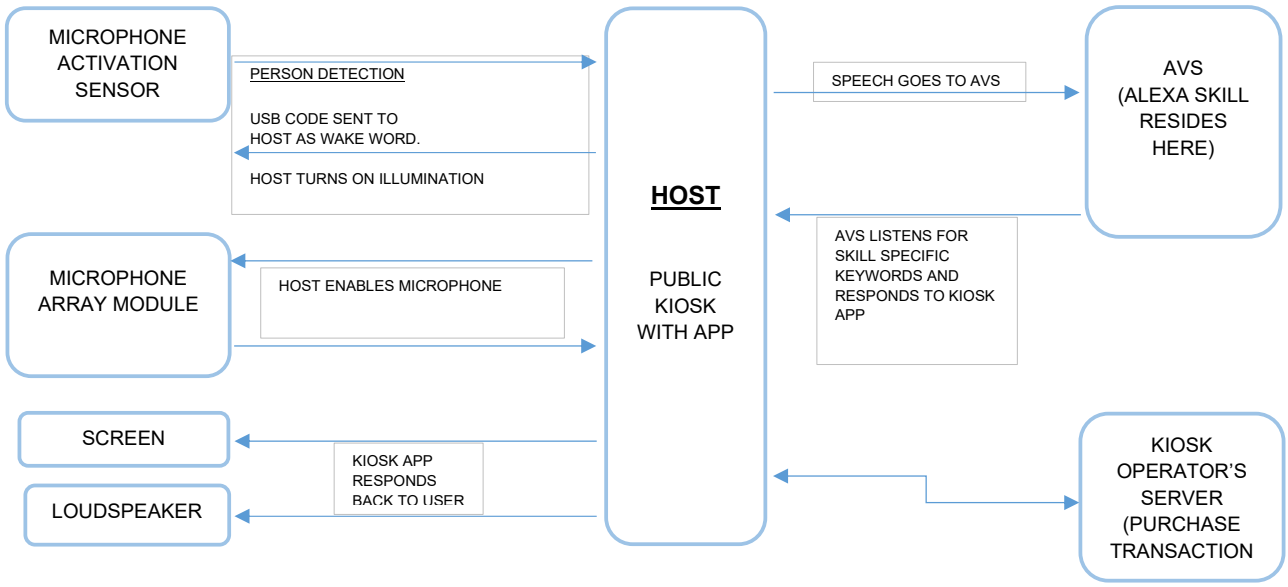
The status of any microphone must be immediately obvious to anyone within recording range. These features are essential to maintain personal privacy and meet mandated requirements for personal data protection.

The Storm ATP Microphone Activation Sensor is a USB peripheral device that includes an internationally recognised microphone icon to indicate the presence of a voice recording device. The illuminated microphone icon is both highly visible and tactilely discernible.

Connection to the host system is via a Mini B USB socket with an integrated cable anchor. A suitable USB Mini B to USB A cable is sold separately

The device automatically calibrates for background IR levels on power up. (The icon illumination flashes during this calibration process). • The IR Sensor detects the presence of a person within the 'activation zone' and sends a USB code to the host. This so the host can activate (open) a microphone at the appropriate time. • When a person disappears from range the device sends a different USB code to the host. This so the host can mute (close) a microphone at the appropriate time. •

Example of Standard Transaction Flow between user / kiosk / host (using AVS as example)



USB Interface

- HID keyboard
- HID consumer controlled device
- No special drivers required
- Symbol illumination under host control (can turn off LED if no person in range)

Function	HID USB Codes
Person Detected	F20
Person no longer in range	F21

Order Codes

AT01-12001	MICROPHONE ACTIVATION SENSOR
4500-01	USB CABLE – ANGLED MINI-B TO A, 0.9M LONG
AT00-15001-KIT	MICROPHONE ARRAY KIT(inc Microphone Activation Sensor)

Specifications

Rating	5V ±0.25V (USB 2.0), 190mA (max)
Connection	mini USB B
Sealing Gasket	included

Support

- Free Windows compatible utility for changing the USB Code Tables
- API for custom integration
- Remote Firmware update support

USB Device Information

On the Activation Sensor microprocessor we define in firmware :-

- an HID keyboard device – so that we can output USB codes to the host pc
- an HID-compliant vendor defined device – so that we can use our API to send commands from the host back to the Activation Sensor

Both devices have an associated HID Input Device

So – in Windows Device Manager you will see 4 new items appear when you connect the Microphone Activation Sensor.

Before connection

After connection