Historical Background of Techno Synesthesia:

"Synesthesia" and "Algorithmic Composition" are the main backgrounds of the project "Techno Synesthesia". Techno Synesthesia is not a physical extension of technology like a cyborg. It is a small step for expanding or merging of human sensitivity and aesthetics by computer technology.

Algorithmic Composition is the technique of using algorithms to create a piece of music. It is an old composition method. Ancient Greece philosopher Pythagoras, 10th-century Italian Guido d'Arezzo who made a notation similar to modern music notation, and 18th-century Austrian composer Wolfgang Amadeus Mozart were known. Mozart's "Musical Dice Game" was unknown whether really he made it. Using a computer is the most popular way in 21st-century. It was possible cave artists might create the art of synesthesia. But I do not know the history of them.

I would like to refer to some synesthesia artists in the modern period. A composer Alexander Scriabin was a synesthesia media artist. He wrote the Luce (light in Italian) part on his score of the symphony "Prometheus" in 1910. The Luce was the color lighting part of the symphony. He connected with musical keys to colors according to his color system. The whole score of the symphony was hard to play by an old-time orchestra. But you can experience the symphony including the Luce by a contemporary orchestra with computer technologies.

A painter Wassily Kandinsky expressed and theorized hearing tones and chords as he painted abstraction. According to Wikipedia, He theorized

yellow is the color of middle C on a brassy trumpet, etc.. A poet Arthur Rimbaud wrote "Vowels" relations about vowels and colors. These artists had their own theories or systems between different senses. You may also recall George Seurat's pointillism. Probably Seurat did not mention about synesthesia. But he believed that colors created harmony and emotion in art. It was the same as a musician used counterpoint and variation to create harmony in music. He thought that the knowledge of perception and optical laws could be used to create a new language of art.

In the middle of 20th-century, many graphic notations were written for avant-garde musical compositions. However, in my opinion, an emotion or a spiritual mind could not be an agent between different perceptions. A graphic notation was the too vague method for the art of synesthesia. A color or pattern theory and sound system were important for persuading my aesthetics. The input of color or figure data should be output the same musical note always. Also, I am unsatisfactory for the same reason to most of the multi-media visual music.

The art of 21st-century synesthesia should disclose theory and system. We shall discover and build the new art of synesthesia by contemporary technologies. One of the reasons for taking scientific methods is to not fall into mysticism. The algorithm of the project "Techno Synesthesia" takes RGB color value 120 is always the middle C. This system is based on my programming "RGB MusicLab". The edition "Public 1280x720" of my Techno Synesthesia videos are under Creative Commons License. The project "Techno Synesthesia" should be continued any one's artwork without permissions.