

COMA AND SENSORY STIMULATION SYSTEM

The **dxdt** Engineering and Research Coma and Sensory Stimulation System (CSSS) is intended to stimulate and entertain patients that have any of the following conditions:

- Coma or seriously diminished mental capacity
- Confinement to bed for long periods
- No capacity to control a computer or audio/visual device
- Individuals under palliative care

The CSSS:

- Controls photograph slideshows
- Controls audio music files
- Records/Controls voice messages
- Provides regular time/date updates
- Controls television*
- Controls tactile vibrator*
- Controls scent source*

All in accordance with a selectable schedule conducive to rest and healing

Why use the

dxdt Engineering and Research

COMA AND SENSORY STIMULATION SYSTEM ?

- Stimulation may promote healing
- Boredom can lead to further “tuning out”
- Stimulation may help preserve existing memory and brain function
- Helps maintain day/night synchronization
- The CSSS engages family members in the healing, recovery or palliative process.

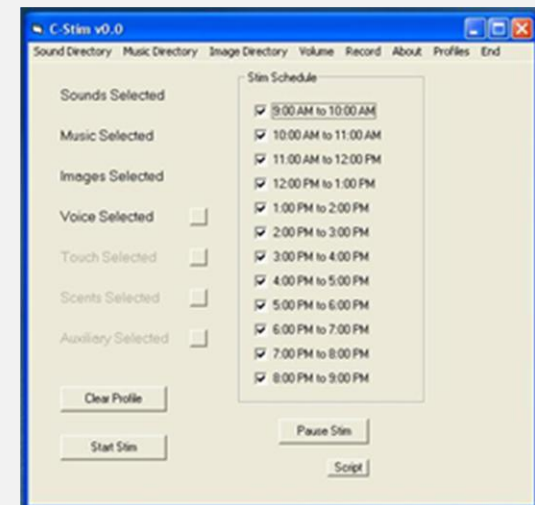
How it works:

1. Contact **dxdt** Engineering and Research to arrange a consultation.
2. Collect digital images, photographs, digital music, or other audio media intended for the person under care. **dxdt** can assist in the digitization process.
3. Record personal messages directly into the CSSS or on tape or answering machine. **dxdt** can assist in this process as well.
4. **dxdt** loads the digitized media into the CSSS.
5. Family or the caregiver decides on the appropriate schedule for stimulation and the CSSS is activated.
6. Updated messages and media are rotated in on an agreed upon schedule.



The **dxdt** Coma and Sensory Stimulation System (left) is a mounted on an easy to move equipment rack. The proprietary software runs on low-cost, commonplace computer components.

The fully functional and easy to use user interface is shown below.



Contact us:

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