SYNDYNE 8400 MASTER SYSTEM

Complete Pipe Organ Control System

*Whether you are considering a new control system for an existing pipe organ or choosing a reliable, feature-rich system for your new pipe organ, the **Syndyne 8400 Master System** combines technologies designed to enhance the organist's playing experience with an easy-to-use interface, making it an ideal choice for the vast majority of applications. Utilizing a microprocessor-based interface, the 8400 Master System not only offers vast user flexibility, but it also provides a system that can easily be reconfigured, expanded, or customized for your specific instrument. With over 50 years serving the pipe organ industry, the Syndyne is a name you can trust to bring you quality and reliable products.*

Feature-Rich Interface

The 8400 Master System was designed to offer a variety of useful features, with organists and musicians in mind. All crescendos and tuttis are user-programmable. With up to 50 user folders, and up to 100 memory levels for each user folder plus the ability to back-up all presets on a removable thumb drive, organists have virtually endless numbers of presets available. The system also allows organists the ability to either use a simple Euro-style piston sequencer or a more advanced American-style piston sequencer. A built-in record-playback feature allows organists to record their performances and play them back directly through the pipes. MIDI interface allows for an external synthesizer to be played on any organ manual and pedal board. Other features include a transposer, auto pedal and auto melody couplers, all swells to swell, multiple manual transfers, pedal divides, and more.

The Syndyne 8400 Master System also approaches MIDI by allowing organists to preset designated MIDI stops and program MIDI channels and patches directly to the stop controls. The system has the ability to octave transpose, tie a MIDI voice to an expression shoe, and even decide if you want a particular MIDI stop to couple in the same manner that organ stops do. These features allow musicians to layer voices and tweek the way that their MIDI functions in relationship to other stops. Most importantly, though, it allows organists to use MIDI in the same manner in which they are already accustom to.

Easy User Interface

The Syndyne 8400 Master System not only offers many ways for an organist to be creative, but it does so in a package that is easy to use. Ease-of-use begins with the system's full-color touch screen display. By utilizing a touch screen display, the 8400 Master System walks organists through the steps of features such as programming a custom crescendo, recording a song, saving a song-list, or setting-up MIDI stops. The home screen is also customizable, allowing organists to arrange quick-access buttons for features that they use the most. Searching for specific memory levels is a breeze, utilizing a keypad, allowing organists to quickly type in the memory level that they want and go directly there. Finally, organs with multiple organists can set-up multiple user folders, allowing each of their organists to customize the settings of their display, crescendos and tuttis independently from those of others using the same instrument.

If one display is not enough, your system can be ordered with two touch screen displays. Additional numerical readouts for transposer and memory levels can be provided as well.

KEY SYSTEM FEATURES INCLUDE:

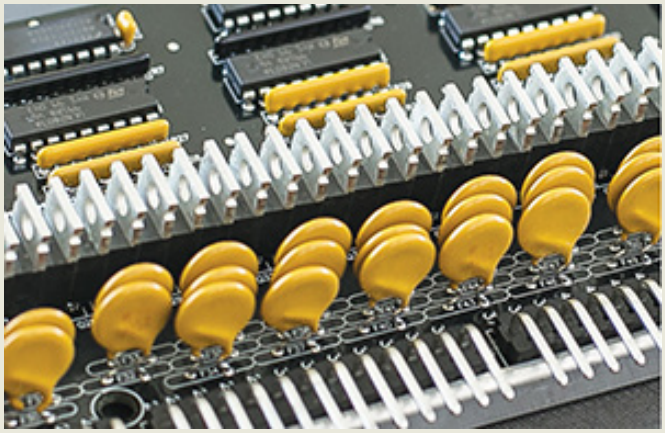
- Easy-to-use full-colored touch screen Console Display Panel
- Up to 50 separate users, each containing up to 100 combination action memory levels
- Various stop reversibles
- Up to 2 physical crescendo shoes, each containing 4 user-programmable memory levels per user
- Up to 2 physical tutti reversibles, each containing 4 user-programmable memory levels per user
- Euro & American-style piston sequencers
- 12-step transposer with optional on/off reversible and indicator
- Record and Playback of the organ pipes, with the ability to organize recorded songs into customizable named song lists
- MIDI interface, allowing an external synthesizer to be played from the organ manuals and pedals
- Bass note (auto pedal) and melody couplers
- Up to two manual transfers
- Manual swaps for three or more manuals
- Momentary programmable sforzando
- All swells to swell reversible
- Pedal divide
- USB backup capabilities of all organist settings
- All songs and song-lists are saved on a removable USB flash drive
- Compatible with Church Music Solutions' SOS (Substitute Organist System) interface

Multiple Consoles

The 8400 Master System was designed to allow for multiple organ consoles, to give organists even more flexibility. With up to 32 divisions allowed, each console can be programmed completely independently from one another, so that if an organist leaves stops on at one location, it will not affect the other location. For that reason, consoles do not need to be identical in specification. Also, on a unit instrument, more than one console can be played at the same time, completely independently from one another, creating opportunities for organ duets.

Reliability

The Syndyne 8400 Master System was designed with reliability in mind. Unlike many organ control systems on the market where the system is designed to function best under ideal circumstances, the 8400 Master System was engineered to best handle unpredictable situations. For one, the system is much more forgiving than some when it comes to voltage variations. Also, every card in the system was designed in a manner that allows the system to continue working, even if one cards within the system has failed.



The system was designed in a manner that offers all available features on each system to be easily set-up by the organ technician, rather than relying on the manufacturer to program or reprogram various features. Plus, as new features become available, firmware can usually be updated by USB port.

Modular Design Means Easy Troubleshooting

Syndyne purposely designed their newest system to utilize the fewest variations of system cards, and they made the system completely programmable from the colored touch screen display. By doing so, not only did they reduce the cost of having to engineer many different cards that do similar things, but they also made troubleshooting and repairs far easier. If a particular card does go bad, your technician should be able to troubleshoot a problem over the phone, and determine what parts are needed before showing up for a service call. This not only allows the instrument to be repaired quicker, but also saves money by reducing the number of service calls needed to address a particular issue.

A System With Room to Grow

The 8400 Master System's modular design and ability to program and reprogram stops and drivers directly from the console's touch screen display makes it easier to replace unit stops with straight ranks of pipes at a later date. Consoles can be set-up with blank stops today, which can be programmed to play future stops tomorrow, without the very expensive need to physically add and wire-in additional stop controls after an organ console has been built. On the pipe chamber end, new driver cards are simply added to the system by connecting the cards together with a CAT-5 data cable, then programming them from the organ console, again reducing costs of expensive wiring harnesses.

DISCOVER MORE AT:
www.syndyne.com
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