

# MUSICA™ Application Note

## Using a Philips Pronto™ Remote to Control *Musica*™

**NOTE:** Please download the Pronto code file from the *Musica* Tools folder on the dealer section of the *NetStreams* web site.

This file contains RS232 codes for most functions needed for operation of a 6 zone *Musica* system. The codes are saved on code pages for each zone and are labeled accordingly. These pages are not hidden as written to allow for easy testing of the codes by the installer. It is suggested that these code pages be hidden in a working file. The file uses links to associate control commands from these code pages to the appropriate buttons on the actual operation pages. This file is set up to use the RFX9600 extender set as extender 1. All of these codes are designated to be routed to RS232 port 2.

The file itself is a simple configuration designed to allow the installer to use it as a starting point for a system program. Graphics are very basic by design and the transport and control pages for the standard sources are not built as it is assumed that the installer will create these as desired. All of the source commands that correspond to the 10 key functions (both press and press and hold) are written and contained on the "Source codes" device pages, however, and will execute the respective command based on the functions learned into *Musica* for each of the sources. The Escient® device is replicated for each zone as the Volume codes are linked to the appropriate code for each zone. The installer only needs to add the host name or IP address for the desired Escient Fireball™ device in each zone properties. Zone names, source names, and FM preset names should be edited by the installer.

Zones 7-12 and 13-18 can be controlled by changing the RS232 port address (or extender number if more than one exists in the system) for each function and sending the RS232 information to the respective 5066 ADC for the additional zones.

Note that volume presets are included for each zone but are not used on the pages that are built in the file as written. These may be included in macros or even buttons for effective system use. These are especially important when using global or whole house codes for turning on all zones at once and are included on the "All Zones" operating pages.

It is suggested that you begin constructing your file by using this file as a starting point rather than copying the code pages into a new file as when copied, the RS232 command properties may need to be opened and re-associated with the extender assigned for the new file. This will be indicated by a red exclamation point next to the command description



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in the actions list of the button properties window. To re-associate these, simply open the RS232 command by double clicking it which will open the "ADD RS232" window and then close. The exclamation point will be gone and the command will be functional. If a different extender or RS232 port is desired, this can be changed while the ADD RS232 window is open.

If additional specialized RS232 commands are needed, the protocol guide from the *NetStreams* dealer website combined with the examples of the codes in this file should allow a programmer to add them easily.

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**NOTE:** The sleep timer functions are actually a string of commands used to set or clear the sleep timer. Due to a change in the functions of the keypad while using the FM Tuner Card, there is a separate set of Sleep Timer commands for the FM mode labeled as "Z5 FM Sleep 60" for an example. These are not interchangeable with the non-FM ones for the other sources and the correct set must be used for proper operation.

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