

## Multilanguage Center Console SC-SL3NA



**Air-Conditioner Sales Department  
Air-Conditioning & Refrigeration  
Systems Headquarters**

Mitsubishi Heavy Industries, Ltd. (MHI) center consoles are used for central control of packaged air conditioners installed in office buildings and other facilities. They are available in a wide range of models to suit many applications, from simply monitoring and switching the on/off status to monitoring energy consumption of air conditioners.

This article introduces the features of our new SC-SL3NA series the center console of which is an integrated touch panel controller with a seven-inch-wide liquid crystal display (LCD) that supports multiple languages.

### 1. Features

The Chinese version of the SC-SL3NA center console uses Chinese for the monitor and operation screens so that users can readily edit the air conditioner identification names in Pinyin. In the European version of the center console, users can select either English or Spanish as the default language. A special PC software utility is also available to extend support to other European languages.

[Common specifications]

- Seven-inch-wide color LCD and touch panel screen allows easy operation.
- Monitors and controls a maximum of 144 air conditioners.
- Up to 8 two-byte characters or 16 one-byte characters can be used for the air conditioner identification names on the touch panel.
- Up to 16 operations per day can be scheduled to ensure maximum energy savings in air conditioner operations.
- Eight inputs are provided to receive information from watt-hour meters and gas meters to monitor energy consumption accurately and efficiently.
- Help is available for all screens.

[Chinese version]

- All the monitor screens display simplified Chinese characters using fonts that comply with Chinese GB standards. Users can edit the identification names of air conditioners by block and/or group using Pinyin.

[European version]

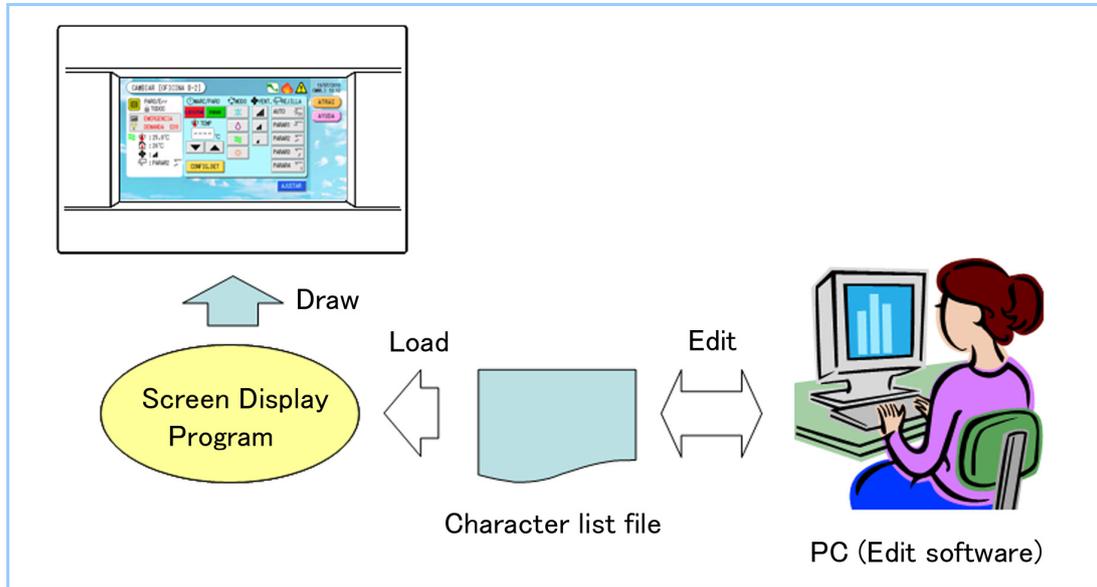
- Display language can be switched between English and Spanish.
- Special software utility is available to change the display language to German, French, Italian, Dutch, Portuguese, Turkish, Greek, or Russian.

### 2. Chinese Version Features

The Chinese display uses memory-efficient outline fonts. The device is equipped with a Pinyin converter and Chinese character dictionary. This enables users to not only display the air conditioner group (tenant) name in Chinese on the air conditioner monitor screen but also to edit and change it easily to a user-defined name that is easier to identify.

### 3. European Version Features

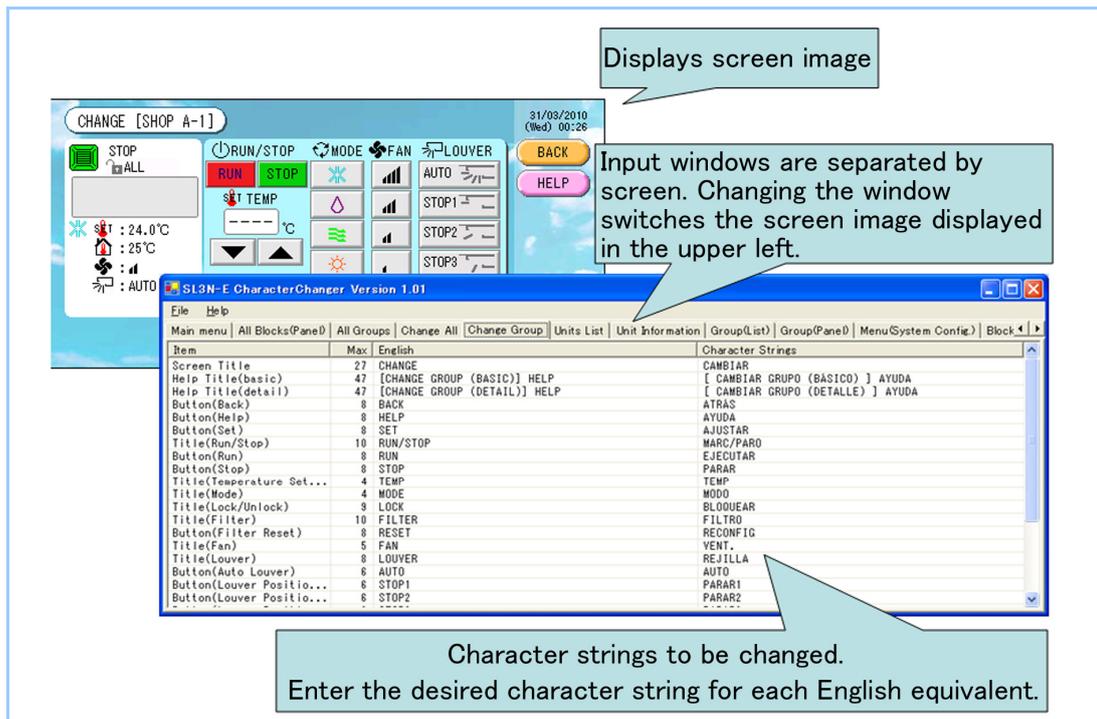
While the default language may be set to either English or Spanish, the character strings displayed on the screen can also be in other languages. When the main unit screen display program starts, it checks a file containing the character strings and determines which ones to display on the screen (Figure 1).



**Figure 1 Screen display**  
The character list file is editable. The screen display program for the center console checks the character list file and determines which character strings to display.

### 4. Character Changer Features

We have developed a special PC utility to edit the displayed character strings. Figure 2 shows an example of this utility's edit screen. The input windows are separated by screen and message window so that users can edit the screen title, button names, and messages in another European language corresponding to the English equivalents provided.



**Figure 2 Editor for displayed character strings**  
The input windows are separated by screen. When a specific input window is selected, the corresponding screen image is displayed in the upper left. English character strings are listed in the window, and users can enter and edit equivalent text in other language.