

## The new Play Level function

This function adjusts the playback level when you play back a sample created by resampling the ESX-1's Pattern mode or Song mode playback.

If you set Play Level to "+12 dB," the resampled phrase sample will play at approximately the same volume as when it plays in Pattern or Song mode.

### About the Play Level setting

You can individually set the Play Level for each sample to specify its volume level (0 dB or +12 dB). The Play Level is automatically set to the appropriate setting when you sample or resample. Normally you will not need to change it.

- "0dB": The playback volume is not adjusted. The Play Level is automatically set to "0 dB" when you sample an external audio source in Sample mode or when you load a new WAV or AIFF file from SmartMedia.
- "+12 dB": The playback volume is raised by +12 dB. The Play level is automatically set to "+12 dB" when you resample in Pattern/Song mode.

 Samples whose Play Level is set to "+12 dB" will sound at a volume that is close to the maximum digital amplitude. This means that the sound may distort if you play two more parts simultaneously, or if you use the filter or effects. To prevent distortion, lower the volume by adjusting the Level in the effect section.

In conjunction with this new function, the following additions and changes have been made to the Owner's Manual. Please refer to this material in conjunction with your owner's manual.

p.32: In "Convenient sample-editing functions," make the following change to "Normalize"

### Normalize (NORMALIZE) / Play Level (PLAY LEVEL)

#### Normalize (NORMALIZE)

This operation boosts the level of the sample as much as possible without causing distortion.

1. Use the dial to select the sample you want to normalize.
2. Hold down the SHIFT key and press step key 11 (NORMALIZE). Key 11 will blink.



3. The upper line of the display indicates "Nrm/Lvl," and the lower line indicates "Normlz" or "PlayLv." Use the dial to select "Normlz," and press step key 11 once again.
4. The display will ask "Normaliz," "Sure?" Press step key 11 once again to execute Normalize (key 11 will go dark). If you decide to cancel without executing, press the STOP/CANCEL key.

#### Play Level (PLAY LEVEL)

PLAY LEVEL ..... 0 dB, +12 dB

This setting changes the playback level of the sample.

1. Use the dial to select the sample whose Play Level setting you want to change.
2. Hold down the SHIFT key and press step key 11 (NORMALIZE). Key 11 will blink.
3. The upper line of the display indicates "Nrm/Lvl," and the lower line indicates "Normlz" or "PlayLv." Use the dial to select "PlayLv," and press step key 11 once again.



4. The upper line of the display indicates "Play Lvl," and the lower line indicates "0 dB" or "+12 dB." Use the dial to select the desired setting, and press step key 11 once again to set the Play Level (key 11 will go dark).



**note** Samples that are set to "+12 dB" are indicated by a "+" symbol added to their displayed sample number.

If you decide to cancel without executing, press the STOP/CANCEL key.

p.20: Make the following change to step 3 of "Auditioning sample"

3. Turn the dial to select a sample. There are twelve types of sample.
  - Only a number, such as "001": a monaural sample
  - "S": a stereo sample
  - "1", "2", "3", "4": a slice sample
  - "#": a stretch sample
  - "+": the Play Level is "+12 dB"

#### p.20: Add to "What is a sample?"

The ESX-1 maintains a sufficient margin of internal amplitude so that digital clipping (noise that occurs when a digital signal exceeds the maximum level) will not occur when you play multiple parts simultaneously or when you use filtering or effects. This amplitude margin is generally called "headroom." The ESX-1 provides approximately 12 dB of headroom.

**note** For samples that you resample in Pattern or Song mode, the Play Level is automatically set to "+12 dB" so that the volume will not appear unnaturally low, meaning that there will be no headroom for playback (see p.32).

