Quick Reference Guide (I)
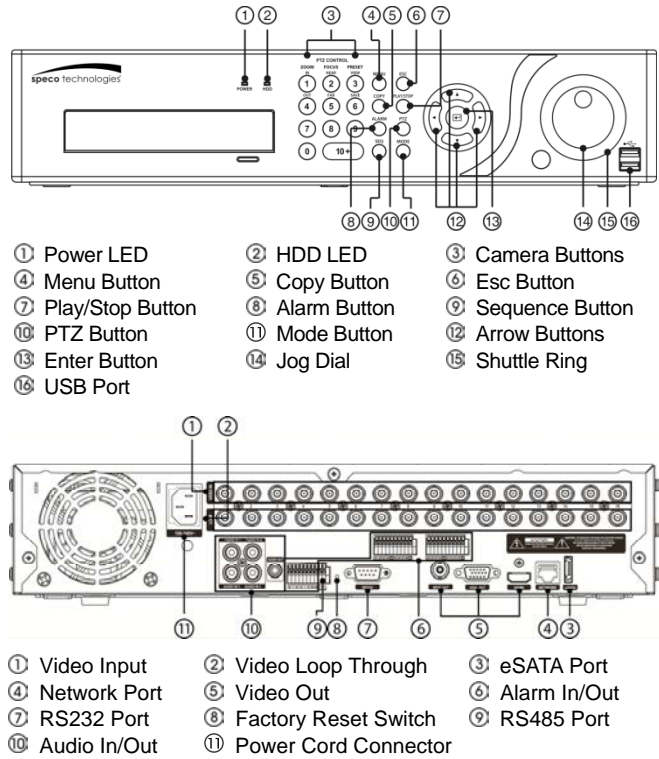
Speco Technologies D12LX, D20LX DVRs

speco technologies®

Congratulations **on purchasing your new LX DVR. We hope that this Quick Reference Guide will help you quickly setup and configure your new Speco Technologies DVR.**

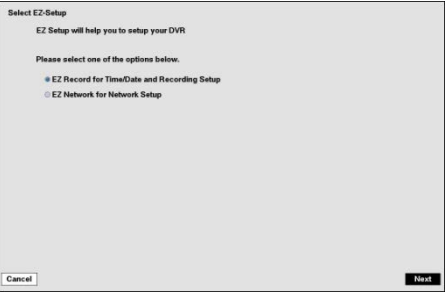**Thanks you!**

Front Panel and Rear Panel

① Power LED   ② HDD LED   ③ Camera Buttons
④ Menu Button   ⑤ Copy Button   ⑥ Esc Button
⑦ Play/Stop Button   ⑧ Alarm Button   ⑨ Sequence Button
⑩ PTZ Button   ⑪ Mode Button   ⑫ Arrow Buttons
⑬ Enter Button   ⑭ Jog Dial   ⑮ Shuttle Ring
⑯ USB Port

① Video Input   ② Video Loop Through   ③ eSATA Port
④ Network Port   ⑤ Video Out   ⑥ Alarm In/Out
⑦ RS232 Port   ⑧ Factory Reset Switch   ⑨ RS485 Port
⑩ Audio In/Out   ⑪ Power Cord Connector

EZ Setup
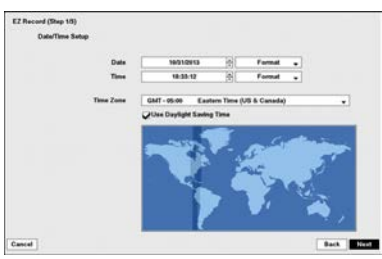
1. Go to <System> <General → EZ Setup> to display the EZ Setup screen.

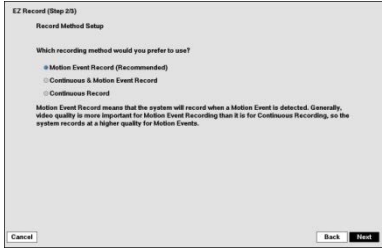**NOTE:** The EZ Setup screen can only be accessed when logged on as the admin user.

2. Select either EZ Record or EZ Network and select the Next button to start the selected setup.
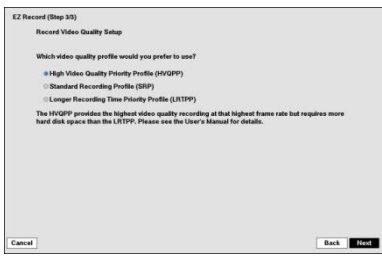

EZ Record

1. If you selected the EZ Record, selecting the Next button starts the EZ Record.
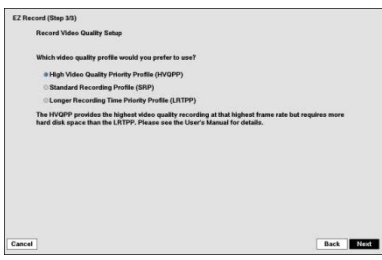
2. Set the system Date/Time and select the date/time Format.
3. Set the Time Zone. It can be selected on the map.
4. Set the system to use Daylight Saving Time.

5. Select the desired recording mode from: Motion Event Record, Continuous & Motion Event Record, and Continuous Record.

6. Select the desired video quality profile from: HVQPP, SRP and LRTPP.
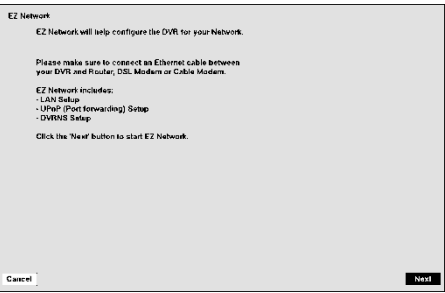
- HVQPP (High Video Quality Priority Profile, Very High (D1/960H) Resolution): 30.00 ips @ D1/960H for Time Record and Post-Event Record.
- SRP (Standard Recording Profile, High (2CIF/H960H) Resolution): 5.00 ips @ 2CIF/H960H for Time Record and 30.00 ips @ D1/960H for Post-Event Record.
- LRTPP (Longer Recording Time Priority Profile, Standard (CIF/Q960H) Resolution): 3.00 ips @ CIF/Q960H for Time Record and 5.00 ips @ 2CIF/H960H for Post-Event Record.
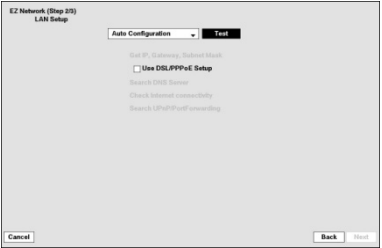
7. Select the Finish button to finish the EZ Record and select the Go to EZ Network button to start the EZ Network.

EZ Network

1. If you selected the Go to EZ Network, select the Next button to start the EZ Network.

2. Select whether or not your DVR is connected to the Internet.
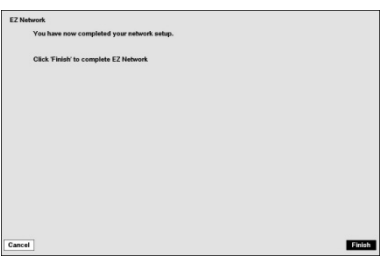
3. Select between Auto Configuration and Manual Configuration for network configuration.
4. Select the Test button to test the network configuration you selected.

NOTE: The network configuration you set should be tested by selecting *Test*, otherwise the *Next* button will cannot be selected, and you cannot move to the next step.
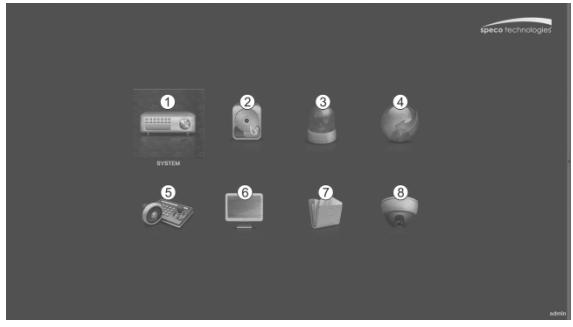
5. Set the DVR to use the DVRNS service.
6. Enter the DVR name to be registered on the DVRNS server.
7. Select the Test box to check whether or not the DVR Name you entered can be used.
8. Select the Finish button to finish the EZ Setup.

System Settings

1. After connecting the power cord, the unit will be operational in 60 seconds.

NOTE: There is no record button on the unit. Please refer to the *Record Setup* section for the proper record settings.

2. Press the MENU button and then select ⚙ (Setup) in the Live Monitoring menu, enter the password then press the ⏎ button. There is no default password when logging in the admin user for the first time. To assure the secure management of the system, setting up a password is strongly recommended.

① System   ② Record   ③ Event   ④ Network
⑤ Device   ⑥ Display   ⑦ Status   ⑧ Camera

System Setup

1. Go to <System> <General> to configure the general information, show the system log, clear all data, run the setup wizard, and shut down the system.
2. Go to <System → Date/Time> to enter a new date and time.
3. Go to <System → User> to add and delete groups and users.
4. Go to <System → Storage> to display information about the DVR's storage devices.
5. Go to <System → Monitoring> to check the system events and set the actions the DVR will take when it detects system events.
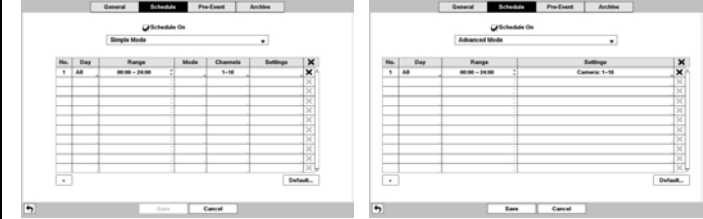6. Go to <System> <Capacity Estimator> to calculate the recordable time.

Record Setup

1. Go to <Record → General> to configure recording settings. Highlighting Recycle and pressing the ⏎ button toggles between On and Off. In the Recycle mode, the DVR records over the oldest video data once all available storage space has been used. When Recycle is turned off, the DVR stops recording once all available storage space has been used.
2. Go to <Record → General> to configure recording settings. Highlight Use Panic Recording and press the ⏎ button to toggle between On and Off. When setting to On, set the length of time of the duration, images per second and quality for panic recording.
3. Go to <Record → Schedule> to program the DVR to record only during certain times based on time, day of the week, and holidays. Highlight Schedule On and press the ⏎ button to toggle between On and Off. In the Schedule On mode, the DVR records video based on the schedule established in the Schedule screen. When turning Schedule recording Off, you will be asked to confirm your decision. Panic recording will function even when Schedule is turned off.
4. Select the schedule mode between Simple Mode and Advanced Mode first. Highlight the + and press the ⏎ button to add a schedule item, and highlight the box under the ✖ heading and press the ⏎ button to delete the recording settings.

NOTE: Refer to the User's Manual for each schedule mode for details.

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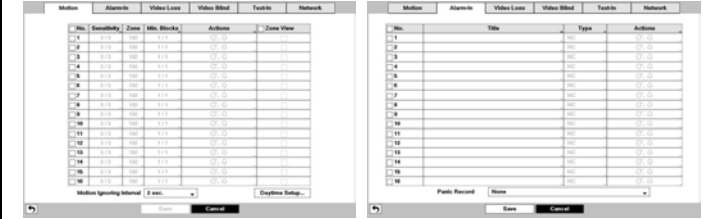**speco technologies®**

5. Go to <Record → Pre-Event> to set up pre-event recording. You can turn individual cameras On or Off for pre-event recording and set the image speed, image quality, resolution and the amount of time to record prior to the event (dwell). When the DVR is in the Time or Time & Event mode, it ignores the pre-event settings and follows the time settings.
6. Go to <Record → Archive> to set the archiving schedule and data ranges. If you have not set up a storage device for archiving, a message appears notifying you of this.

Event Setup

Go to <Event → Motion, Alarm-In, Video Loss, Video Blind, Text-In and Network> to set up each event and set the actions the DVR will take when it detects the event.

Network Setup

1. Go to <Network → General> to set the transfer condition for remote watch, limit bandwidth used to the remote site and configure the Speco Remote service.
2. Go to <Network → IP Address> to select the type of network configuration first then set up LAN parameters for the selected network configuration.
3. Go to <Network → DVRNS and RTSP> to configure the DVRNS and RTSP (Real-Time Streaming Protocol) functions.
4. Go to <Network → Notification> to set the DVR to contact a computer running Speco Central (Remote Administration System), to send an email or to post a message via SNS when an event occurs.

Device Setup

1. Go to <Device → Audio and Network Audio> to set up local and network audio input and output.
2. Go to <Device → Digital Deterrent> to set up the DVR to sound when events are detected.
3. Go to <Device → Alarm-Out> to change the settings and establish a schedule for each alarm output from the DVR.
4. Go to <Device → Remote Control> to configure correct settings for a remote keyboard.

Display Setup

1. Go to <Display → OSD> to select what information will be displayed on the monitor.
2. Go to < Display → Primary Monitor and Spot Monitor> to set up each monitor.

Status Setup

1. Go to <Status → Event> to display the status of the DVR's systems and inputs.
2. Go to <Status → Storage> to display the status of the DVR's storage devices.

Camera Setup

1. Go to <Camera → General > to turn the camera number On or Off, change the camera title, and determine which cameras will display on the monitors.
2. Go to <Camera → PTZ> to configure the PTZ cameras.
3. Go to < Camera → Network Camera> to scan the network devices and configure them.

Playback and Search

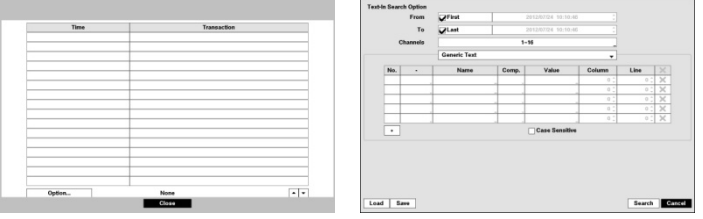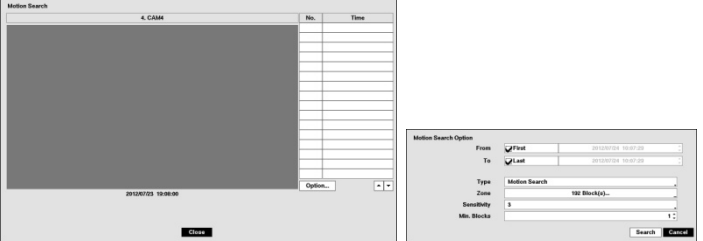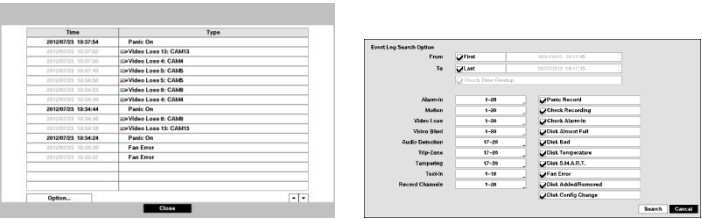1. Press the PLAY/STOP button to enter the Playback mode. If a user who has Search authority logs into the system, the user can view recorded images.
2. Press the MENU button while in the Search mode to display the Search Menu. Select the type of search using the arrow buttons and press the ↵ button.

Event Search

1. Go to <Search Menu> <Search (🔍) → Event Log Search, Motion Search, Text-In Search>. The event log list will be shown on the screen. Highlight the event you would like to see and press the ↵ button.
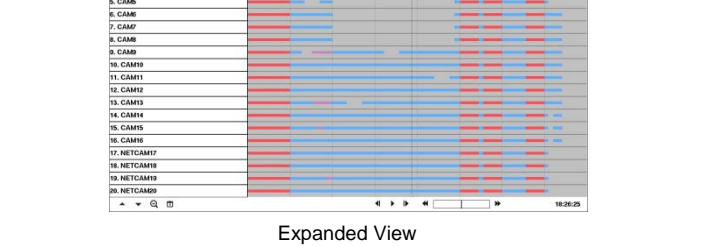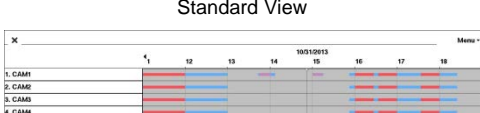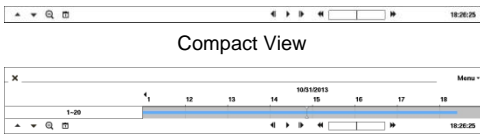
For more specific search conditions, select <Option> and enter search parameters then select <Search>. The search results will be displayed in each screen.

2. Pressing the ↵ button will start playing the "event" video segment. Press the PLAY/STOP button to return to live monitoring.
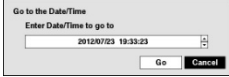
Record Table Search

1. Go to <Search Menu> <Search (🔍) → Record Table Search>. Recording information about video images currently displayed on the screen displays on the recording status bar.

Compact View

Standard View

Expanded View

2. Selecting the ▲ and ▼ icon located at the bottom switches to other view modes.
3. Selecting ⊕ displays eight hours (1-minute based), and selecting ⊖ displays 24 hours (3-minute based) at once.
4. Selecting 🗓 located at the bottom displays the Calendar Search screen.
5. Selecting Menu in the top-right corner displays the Search menu.

Go To Search

1. Go to <Search Menu> <Search (🔍) → Go To>. Selecting <Go to the First> displays the first recorded image, selecting <Go to the Last> displays the last recorded image, and selecting <Go to the Date/Time> displays the Go to the Date/Time screen.

2. Enter a specific date and time and select OK by pressing the ↵ button. The ↵ button and arrow buttons to review the video.
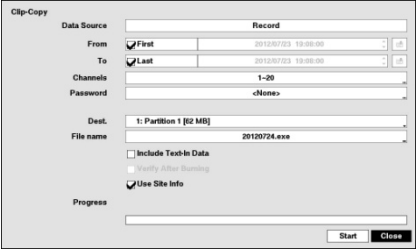
EZ Search

Go to <Search Menu> <Search → EZ Search>. When entering the EZ Search mode for the first time, the DVR will play video in 4x4 display format starting with the first recorded image using the Day precision (default).

NOTE: When There are there precision levels: Day, Hour and Minute.

Clip Copy

The Clip-Copy screen can be used to copy video to an internal DVD RW, or external USB hard disk or flash drives. The clip copy can be simply done by pressing the COPY button.

SNS Notification

The DVR can be set up to post a message via SNS (Social Network Service) when an event occurs. Go to <Network> <Notification> to add and edit notification schedules and SNS (Social Network Service) accounts.

1. To add a notification schedule, highlight the + under the Schedule list and press the ↵ button.
2. To add an SNS account, highlight SNS Setup and press the ↵ button.

3. The SNS account can be turned On or Off by highlighting the boxes under the No. heading and pressing the ↵ button.
4. To add an SNS account, highlight the + and press the ↵ button.
5. Highlight the box beside Type and press the ↵ button. Select TWITTER from the Type allows you to post a tweet on Twitter when an event occurs.
6. Highlight the box beside User Name/Password and press the ↵ button.

V1.0