HDD Compatibility Chart

Version : 2025-12-16

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1-1 Important Notes

For WJ-NX510K,410K,HXE410

Notes
When using the recommended Seagate or Western Digital HDDs and the Canister.
(for WJ-NX510K/WJ-NX410K/WJ-HXE410)

Please DO NOT fix the HDD (the Canister) with two screws on the bottom. (⇒ marks below)
The length of the screw may be longer than the depth of the tapped hole.

1-1 Important Notes

For WJ-NX510K,410K,HXE410

Important information : The preparations to use Seagate HDD

To use Seagate HDD, the following 1 items must be performed before the installation of HDDs.

1. Turn off SSC (SSC : Spread Spectrum Clocking, default setting : ”ON”)

Caution : If SSC is NOT turned off, the HDD will never be recognized by NVR.

>> See Next Page

Caution :

We will not take responsibility for any failure that occurs by performing an operation different from the detailed procedure from the next pages.

1-1 Important Notes

For WJ-NX510K,410K,HXE410

The preparations to use Seagate HDD

1) The items and procedure to turn off SSC

- The required items
  - Windows PC with “SeaChest utilities” *1
  - USB to SATA conversion adapter for 3.5 inch HDD with AC power input.
    Note : Adapter with special functions such as clone function cannot be used.
  - HDDs to be changed.

*1 : the download site of "SeaChest Utilities”
https://www.seagate.com/support/software/seachest/

- Procedure to turn off SSC setting
  - Described on page 32 to 36

>> See Page 32

1-2 HDD Compatibility Chart

WJ-NX310

Updated: 2025-12-16

Latest Firmware Version : V2.10

Current HDDs

Capacity	Vendor	Model	Height	Note
18TB	Western Digital	WD181PURP-74CLCY0 WD181PURP-85CLCY0	Normal	*1
8TB	Western Digital	WD85PURZ-74C4WY0 WD85PURZ-85C4WY0	Normal	*1
6TB	Western Digital	WD64PURZ-74BWUY0 WD64PURZ-85BWUY0	Normal	*1
4TB	Western Digital	WD43PURZ-74BWPY0 WD43PURZ-85BWPY0	Normal	*1
3TB	Western Digital	WD33PURZ-74BWPY0 WD33PURZ-85BWPY0	Normal	*1
2TB	Western Digital	WD23PURZ-74C5HY0 WD23PURZ-85C5HY0	Normal	*1

Discontinued HDDs

Capacity	Vendor	Model	Height	Note
18TB	Western Digital	WD181PURP-74B6HY0 WD181PURP-85B6HY0	Normal	*1
8TB	Western Digital	WD84PURZ-74B2YY0 WD84PURZ-85B2YY0	Normal	*1

*1 The difference between "-74" and "-85" depends on the WD sales route.

* Seagate HDDs have been removed from the list due to observed cases in which the drives may not be recognized during power-up.

1-2 HDD Compatibility Chart

WJ-NX510K/NX410K
WJ-HXE410

Updated: 2025-11-26

Latest Firmware Version : V2.10

Current HDDs

Capacity	Vendor	Model	Height	Note
24TB	Seagate	ST24000VE002	Normal	*2,*3,*5
20TB	Seagate	ST20000VE003	Normal	*2,*3,*5
18TB	Western Digital	WD181PURP-74CLCY0	Normal	*1,*4
		WD181PURP-85CLCY0		
16TB	Seagate	ST16000VE004	Normal	*2,*3,*5
12TB	Seagate	ST12000VE003	Normal	*2,*3,*5
8TB	Seagate	ST8000VX010	Normal	*2,*3
	Western Digital	WD85PURZ-74C4WY0	Normal	*1
		WD85PURZ-85C4WY0		
6TB	Seagate	ST6000VX009	Normal	*2,*3
	Western Digital	WD64PURZ-74BWUY0	Normal	*1
		WD64PURZ-85BWUY0		
4TB	Seagate	ST4000VX016	Low profile	*2,*3
	Western Digital	WD43PURZ-74BWPY0	Normal	*1
		WD43PURZ-85BWPY0		
3TB	Western Digital	WD33PURZ-74BWPY0	Normal	*1
		WD33PURZ-85BWPY0		
2TB	Seagate	ST2000VX017	Low profile	*2,*3
1TB	Seagate	ST1000VX013	Low profile	*2,*3

Discontinued HDDs

Capacity	Vendor	Model	Height	Note
18TB	Western Digital	WD181PURP-74B6HY0	Normal	*1,*4
		WD181PURP-85B6HY0		
8TB	Western Digital	WD84PURZ-74B2YY0	Normal	*1
		WD84PURZ-85B2YY0		
3TB	Seagate	ST3000VX015	Low profile	*2,*3, Discontinued in CQ2'25

*1 The difference between "-74" and "-85" depends on the WD sales route.

*2 Please refer to page 2, not to fix two screws into bottom side of HDD.

*3 To use Seagate SkyHawk series, it is necessary to set the HDD SSC setting to "OFF" in advance. And need to choose the screws to install the HDDs. Please refer to page 4 for instructions.

*4 When using WJ-HXE410 with WJ-NX400 and NX300, HDDcapacity is limited. (Up to 8TB HDD is available)

*5 This HDD must be used in an environment at least 5°C (41°F).

2-1 Important Notes

For WJ-NU series

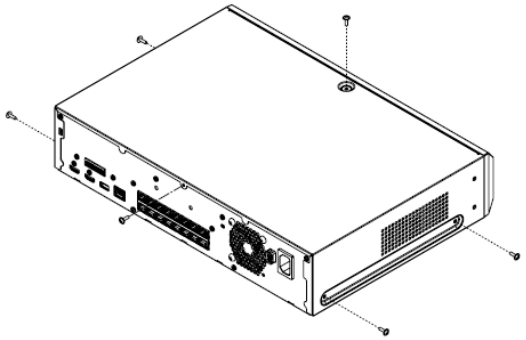
Installation of the HDD(s) for WJ-NU301 (from Installation Guide)

Step 1

Unplug the Power cord from the recorder's Power cord inlet.

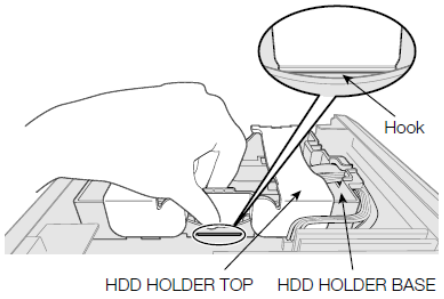
Step 2

Remove the 4 screws on the left and right sides of this product, remove the 1 screw on the top cover, remove the 1 screw on the middle upper part of the back, and then remove the top cover.



Step 3

Clip the top of the hook on the HDD HOLDER TOP with your finger and thumb. Push inward with your thumb to release the hook, and open the HDD HOLDER TOP.

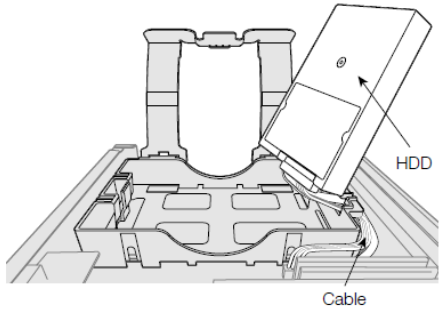


Step 4

Remove the AIR CAP that protects the cable connector.

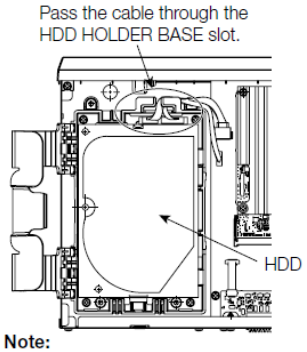
Step 5

Tilt the HDD at an angle and insert the cable connected to the board into the HDD.



Step 6

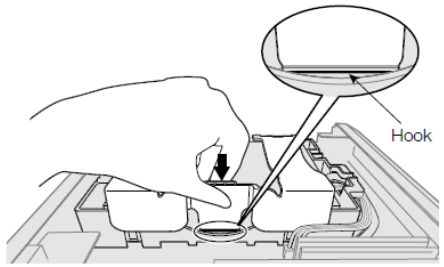
Make sure that the cable passes through the HDD HOLDER BASE slot so that they do not come apart, and place the HDD with the cable plugged in on the HDD HOLDER BASE. If the cable is not threaded through the slot, pass it through before placing the HDD.



Note:
For WJ-NU301, the position of the cable connector on the board side is different.

Step 7

Pass the hook of the HDD HOLDER TOP through the inside of the HDD HOLDER BASE. Push in the arrow on the HDD HOLDER TOP, close the HDD HOLDER TOP, and then fix the HDD.



Step 8

Perform Step 3 to Step 7 for another HDD, and install the HDD.

Step 9

Reinstall the top cover, and fix it by tightening the 4 screws on the left and right sides of this product, 1 screw on the top cover, and 1 screw on the middle upper part of the back.

2-1 Important Notes

For WJ-NU series

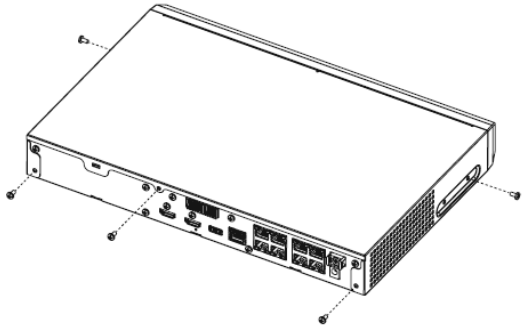
Installation of the HDD for WJ-NU300/NU201/NU101 (from Installation Guide)

Step 1

Unplug the DC plug of the AC power adapter from the DC jack of the recorder.

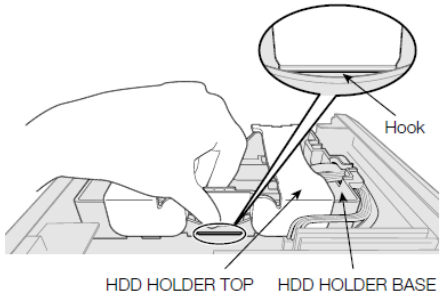
Step 2

Remove the two screws on the left and right sides of the main unit, remove the three screws on the back, and then remove the top cover.



Step 3

Clip the top of the hook on the HDD HOLDER TOP with your finger and thumb. Push inward with your thumb to release the hook, and open the HDD HOLDER TOP.

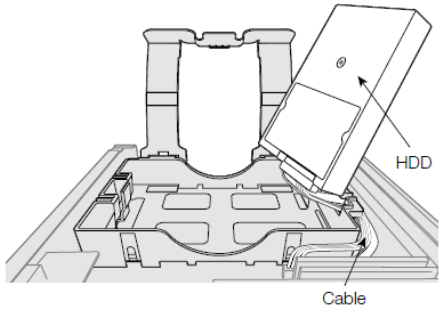


Step 4

Remove the AIR CAP that protects the cable connector.

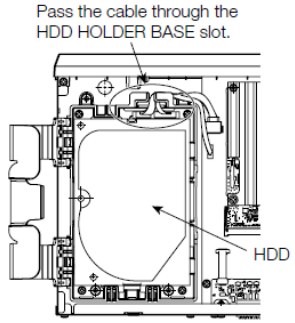
Step 5

Tilt the HDD at an angle and insert the cable connected to the board into the HDD.



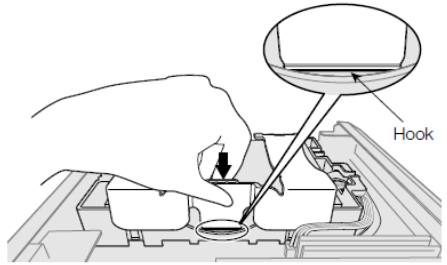
Step 6

Make sure that the cable passes through the HDD HOLDER BASE slot so that they do not come apart, and place the HDD with the cable plugged in on the HDD HOLDER BASE. If the cable is not threaded through the slot, pass it through before placing the HDD.



Step 7

Pass the hook of the HDD HOLDER TOP through the inside of the HDD HOLDER BASE. Push in the arrow on the HDD HOLDER TOP, close the HDD HOLDER TOP, and then fix HDD.



Step 8

Install the top cover as before, and tighten the two screws on the left and right sides of the main unit, and the three screws on the back to secure it.

2-1 Important Notes

For WJ-NU series

There are two height types of HDD,
one is normal height (26.1mm / 1.028”), the other is low profile (20.2mm / 0.795”).
If you will change HDD from normal height to low profile, you shall also change top cover of HDD holder.
No need to change top cover of HDD holder,
if you will change from low profile HDD to normal height one, or HDD height is the same before and after.

We recommend you changing HDD as the same height one before.

before	after	
Normal height HDD	Low profile HDD	**Need Service part # PGUX2500ZA/C1 (ask i-PRO service section)**
Low profile	Normal height	(No need for another part)
Normal height	Normal height	(No need for another part)
Low profile	Low profile	(No need for another part)

1-2 HDD Compatibility Chart

WJ-NU301

Updated: 2025-11-26

Latest Firmware Version : V2.10

Current HDDs

Capacity	Vendor	Model	Height	Note
24TB	Seagate	ST24000VE002	Normal	*2
20TB	Seagate	ST20000VE003	Normal	*2
16TB	Seagate	ST16000VE004	Normal	*2
12TB	Seagate	ST12000VE003	Normal	*2
8TB	Seagate	ST8000VX010	Normal	
	Western Digital	WD85PURZ-74C4WY0	Normal	*1
		WD85PURZ-85C4WY0		
6TB	Seagate	ST6000VX009	Normal	
	Western Digital	WD64PURZ-74BWUY0	Normal	*1
		WD64PURZ-85BWUY0		
4TB	Seagate	ST4000VX016	Low profile	
	Western Digital	WD43PURZ-74BWPY0	Normal	*1
		WD43PURZ-85BWPY0		
3TB	Western Digital	WD33PURZ-74BWPY0	Normal	*1
		WD33PURZ-85BWPY0		
2TB	Seagate	ST2000VX017	Low profile	
	Western Digital	WD23PURZ-74C5HY0	Normal	*1
		WD23PURZ-85C5HY0		
1TB	Seagate	ST1000VX013	Low profile	
	Western Digital	WD11PURZ-74C5HY0	Normal	*1
		WD11PURZ-85C5HY0		

*1 The difference between "-74" and "-85" depends on the WD sales route.

*2 This HDD must be used in an environment at least 5°C (41°F).

Discontinued HDDs

Capacity	Vendor	Model	Height	Note
20TB	Seagate	ST20000VE002	Normal	*2, Discontinued in CQ2'25
18TB	Western Digital	WD181PURP-74B6HY0	Normal	*1
		WD181PURP-85B6HY0		
8TB	Western Digital	WD84PURZ-74B2YY0	Normal	*1
		WD84PURZ-85B2YY0		
6TB		WD63PURZ-74B4VY0	Normal	*1
		WD63PURZ-85B4VY0		
4TB		WD42PURZ-74B4YY0	Normal	*1
		WD42PURZ-85B4YY0		
3TB		WD30PURZ-74AKKY0	Normal	*1
		WD30PURZ-85AKKY0		
	Seagate	ST3000VX015	Low profile	Discontinued in CQ2'25
2TB	Western Digital	WD22PURZ-74B4ZY0	Normal	*1
		WD22PURZ-85B4ZY0		

1-2 HDD Compatibility Chart

WJ-NU300/NU201/NU101

Updated: 2025-11-26

Latest Firmware Version : V2.10

Current HDDs

Capacity	Vendor	Model	Height	Note
24TB	Seagate	ST24000VE002	Normal	*2
20TB	Seagate	ST20000VE003	Normal	*2
16TB	Seagate	ST16000VE004	Normal	*2
12TB	Seagate	ST12000VE003	Normal	*2
8TB	Seagate	ST8000VX010	Normal	
	Western Digital	WD85PURZ-74C4WY0	Normal	*1
		WD85PURZ-85C4WY0		
6TB	Seagate	ST6000VX009	Normal	
	Western Digital	WD64PURZ-74BWUY0	Normal	*1
		WD64PURZ-85BWUY0		
4TB	Seagate	ST4000VX016	Low profile	
	Western Digital	WD43PURZ-74BWPY0	Normal	*1
		WD43PURZ-85BWPY0		
3TB	Western Digital	WD33PURZ-74BWPY0	Normal	*1
		WD33PURZ-85BWPY0		
2TB	Seagate	ST2000VX017	Low profile	
	Western Digital	WD23PURZ-74C5HY0	Normal	*1
		WD23PURZ-85C5HY0		
1TB	Seagate	ST1000VX013	Low profile	
	Western Digital	WD11PURZ-74C5HY0	Normal	*1
		WD11PURZ-85C5HY0		

*1 The difference between "-74" and "-85" depends on the WD sales route.

*2 This HDD must be used in an environment at least 5°C (41°F).

Discontinued HDDs

Capacity	Vendor	Model	Height	Note
20TB	Seagate	ST20000VE002	Normal	*2, 'Discontinued in CQ2'25
18TB	Western Digital	WD181PURP-74B6HY0	Normal	*1
		WD181PURP-85B6HY0		
8TB	Western Digital	WD84PURZ-74B2YY0	Normal	*1
		WD84PURZ-85B2YY0		
6TB		WD63PURZ-74B4VY0	Normal	*1
		WD63PURZ-85B4VY0		
4TB		WD42PURZ-74B4YY0	Normal	*1
		WD42PURZ-85B4YY0		
3TB		WD30PURZ-74AKKY0	Normal	*1
		WD30PURZ-85AKKY0		
	Seagate	ST3000VX015	Low profile	Discontinued in CQ2'25
2TB	Western Digital	WD22PURZ-74B4ZY0	Normal	*1
		WD22PURZ-85B4ZY0		

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3. For WJ-NX400,300,200 series and others

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3-2 HDD Compatibility Chart (*) 24

(*) For models that have been discontinued for more than 7 years, the compatibility chart will be deleted.

3-1 Important Notes

For WJ-NX400,300,200 series and others

Notes

When using the recommended Seagate or Western Digital (5TB, 6TB,8TB) HDDs and the Canister.
(for WJ-NX400K/WJ-HXE400/WJ-ND400K/WJ-HDE400/WJ-HD716K/WJ-HD616K)

Please DO NOT fix the HDD (the Canister) with two screws on the bottom. (⇒ marks below)
The length of the screw may be longer than the depth of the tapped hole.

3-1 Important Notes

For WJ-NX400,300,200 series and others

Important information : The preparations to use Seagate HDD
(For WJ-NX400K/WJ-HXE400/WJNX300K/WJNX200K/WJ-ND400K/WJ-HDE400/WJ-HD716K/WJ-HD616K)

To use Seagate HDD, the following 2 items must be performed before the installation of HDDs.

1. Turn off SSC. (SSC : Spread Spectrum Clocking, default setting : ”ON”)

   Caution : If SSC is NOT turned off, the HDD will never be recognized by NVR.

>> See Next Page

2. Choose the screw to use.

   Caution : If do not install the correct screws, the HDD will not be properly secured to the case, and may experience HDD errors or malfunction.

   The screws to install the HDD depend on the serial number of the NVR.

>> See Page 17

Caution :
We will not take responsibility for any failure that occurs by performing an operation different from the detailed procedure from the next pages.

3-1 Important Notes

For WJ-NX400,300,200 series and others

The preparations to use Seagate HDD

1) The items and procedure to turn off SSC

- The required items
  - Windows PC with “SeaChest utilities” *1
  - USB to SATA conversion adapter for 3.5 inch HDD with AC power input.
    Note : Adapter with special functions such as clone function cannot be used.
  - HDDs to be changed.

*1 : the download site of "SeaChest Utilities
https://www.seagate.com/support/software/seachest/

- Procedure to turn off SSC setting
  - Described on page 32 to 36

>> See Page 32

3-1 Important Notes

For WJ-NX400,300,200 series and others

The preparations to use Seagate HDD

2) Choose the screws

- The screws to install the HDD differ depending on the serial No. of the NVR.

Ex.) Serial No. : TLV00001 (1st character =year(T:2020), 2nd character =month(L:Dec)

Serial No(example)													
1st character	year	R	S	T	U	V	W	X	Y	A	B	C	D
		2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
2nd character	month	A	B	C	D	E	F	G	H	I	J	K	L
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

< Case 1 > : Serial No. is TLxxxxxx or later
(1st character T=2020, 2nd character L =Dec)

>> See page 18 to 20

< Case 2 > : Serial No. is TKxxxxxx or earlier
(1st character T=2020, 2nd character K =Nov)

>> See page 21 to 23

3-1 Important Notes

For WJ-NX400,300,200 series and others

The preparations to use Seagate HDD

Choose the screws < Case 1 >

Screw/Washer List < Case 1 : TL*xxxxx or later >

Screw No	Screw or washer	type	color	quantity			Standard Accessories	
				WJ-NX400K WJ-HXE400	WJ-NX300K	WJ-NX200K		
①	Screw	#6-32UNC L=5.3 mm	Silver	6pcs x 9HDDs *1	4pcs x 4HDDs	4pcs x 2HDDs	YES	Provided with NVR *1 Use 36（4pcs X 9HDDs) screws to install Seagate HDDs and WD 5TB/6TB HDDs. Use 54（6pcs X 9HDDs）screws to install other WD HDDs except for 5TB/6TB.

3-1 Important Notes

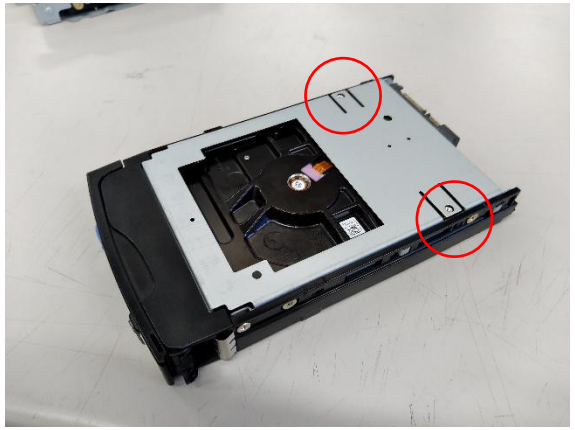
For WJ-NX400,300,200 series and others

The preparations to use Seagate HDD

Choose the screws < Case 1 >

Installation of the HDD for WJ-NX400K/WJ-HXE400 < Case 1 : TL*xxxxx or later >

Install the HDD into the HDD Unit using 4 fixing screws （Screw No.①）



Do not fix the two places on bottom with screws

3-1 Important Notes

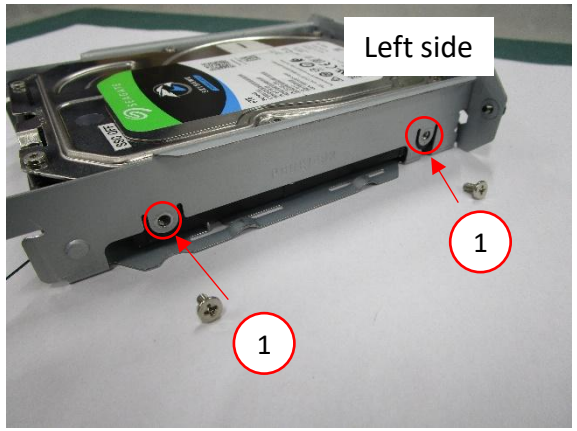
For WJ-NX400,300,200 series and others

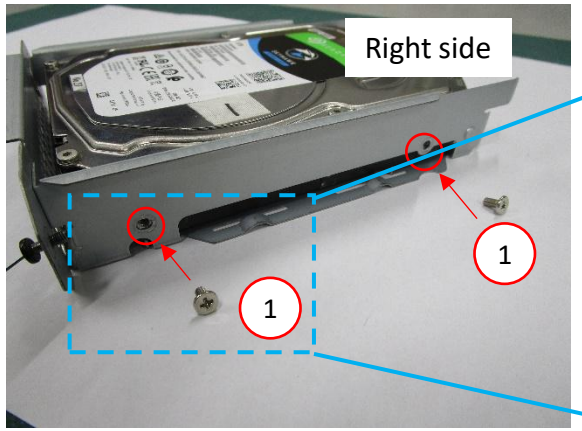
The preparations to use Seagate HDD

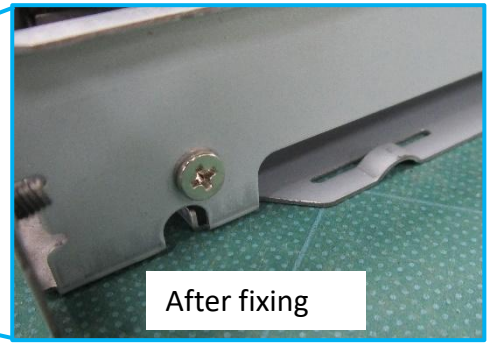
Choose the screws < Case 1 >

Installation of the HDD for WJ-NX300K/WJ-NX200 < Case 1 : TL*xxxxx or later >

Install the HDD into the bracket using 4 fixing screws （Screw No.①）







WJ-NX200’s bracket and WJ-NX300’s bracket are partly different, but the assembly work is the same .

3-1 Important Notes

For WJ-NX400,300,200 series and others

The preparations to use Seagate HDD

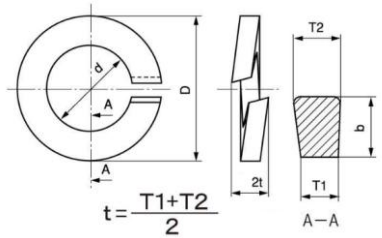
Choose the screws < Case 2 >

Screw/Washer List < Case 2 : TK*xxxxx or earlier >

Screw No	Screw or washer	type	color	quantity				Standard Accessories	
				WJ-NX400K WJ-HXE400 WJ-ND400K WJ-HDE400	WJ-NX300K	WJ-NX200K	WJ-HD716K WJ-HD616K (WJ-HDU40K)		
②	Screw	#6-32UNC L=6 mm	Gold	6pcs x 9HDDs *1	4pcs x 4HDDs	4pcs x 2HDDs	6pcs x 4HDDs *2	YES	Provided with NVR *1 Use 36（4pcs X 9HDDs) screws to install Seagate HDDs and WD 5TB/6TB HDDs. Use 54（6pcs X 9HDDs） screws to install other WD HDDs except for 5TB/6TB. *2 Use 16（4pcs X 4HDDs) screws to install Seagate HDDs and WD 5TB/6TB HDDs. Use 24（6pcs X 4HDDs） screws to install other WD HDDs except for 5TB/6TB.
③	washer	M4 spring washer	-	2pcs x 9HDDs	4pcs x 4HDDs	4pcs x 2HDDs	2pcs x 4HDDs	NO	Locally procured

Screw No.③ (spring washer) spec

Spring Washer	d(mm)		b(mm)	t(mm)	D(mm)	Material
	max	min	min	min	Max	
4 (For M4)	4.5	4.1	1.4	1	7.6	SUS



3-1 Important Notes

For WJ-NX400,300,200 series and others

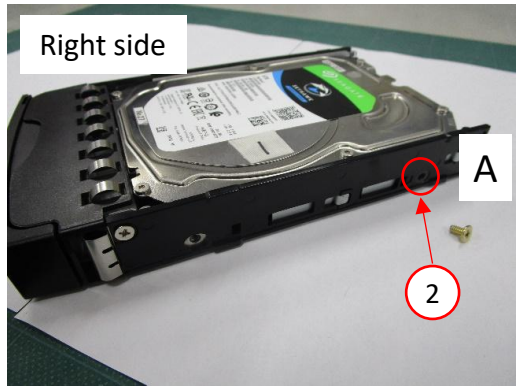
The preparations to use Seagate HDD

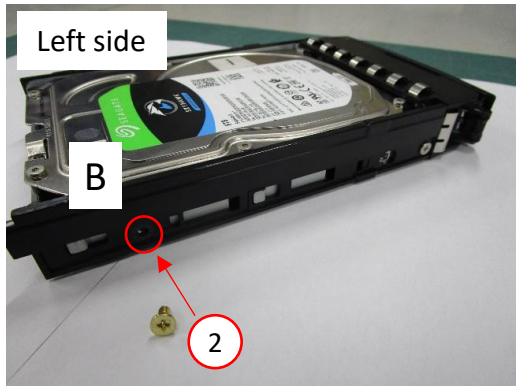
Choose the screws < Case 2 >

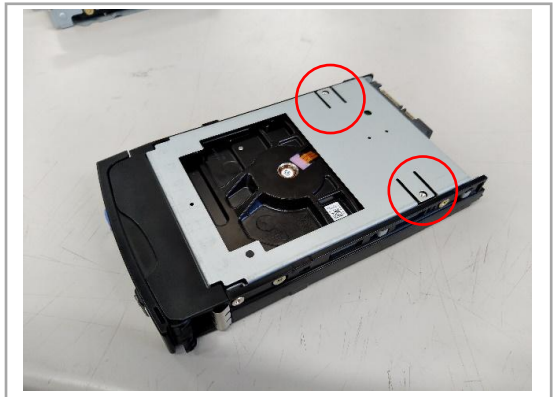
Installation of the HDD for WJ-NX400K/WJ-HXE400/WJ-ND400K/WJ-HDE400/WJ-HD716/WJ-HD616

< Case 2 : TK*xxxxx or earlier >

Install the HDD into the HDD Unit using 2 fixing screws (②), A and B places.

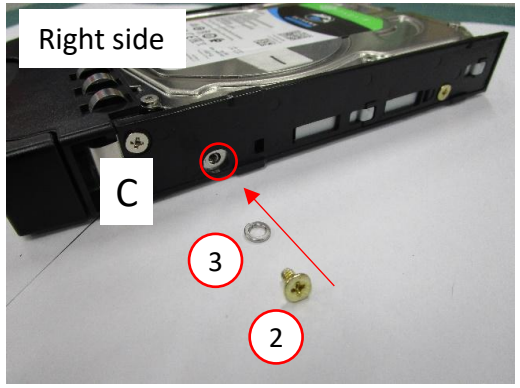


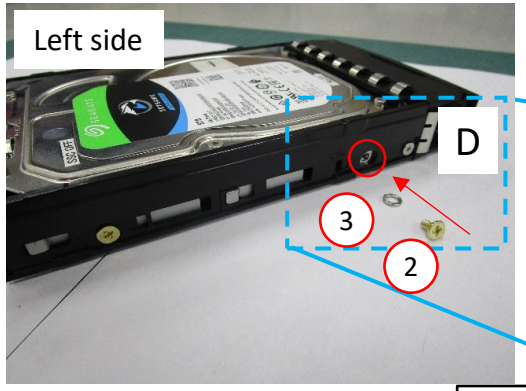




Do not fix the two places on bottom with screws.

C and D places, fix with 2washers (③) and 2 screws (②).





3-1 Important Notes

For WJ-NX400,300,200 series and others

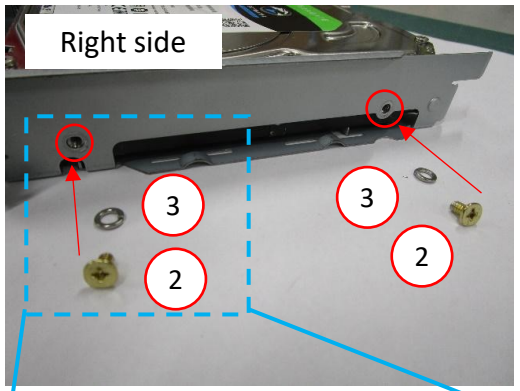
The preparations to use Seagate HDD

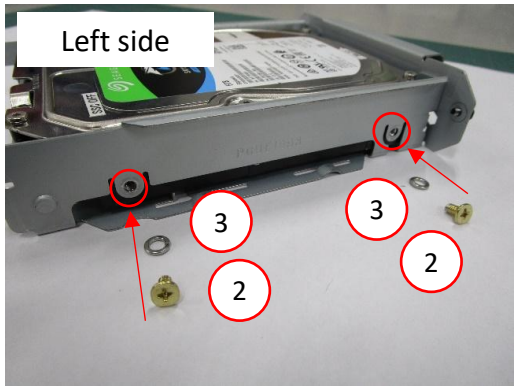
Choose the screws < Case 2 >

Installation of the HDD for WJ-NX300K/WJ-NX200 < Case 2 : TK*xxxxx or earlier >

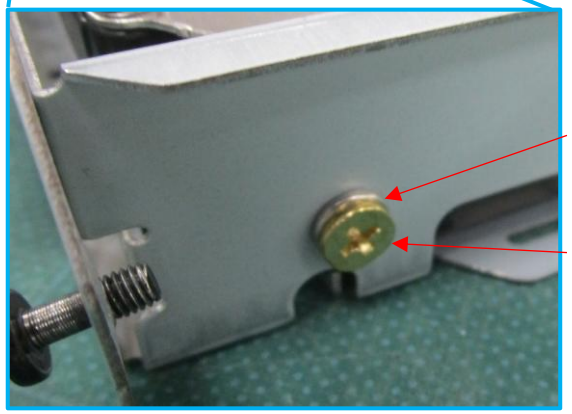
WJ-NX200's bracket and WJ-NX300's bracket are partly different, but the assembly work is the same .

Install the HDD into the bracket using 4 washers (③) and 4 fixing screws (②)





Gold color



3-2 HDD Compatibility Chart (Discontinued Product | Support ends in June 2031)

WJ-NX400K
WJ-HXE400

Updated: 2024-6-10

Latest Firmware Version : V5.80 (NX400)
V1.11 (HXE400)

3.5” SATA – Advanced Format

Current HDDs

Capacity	Vendor	Model	Note
8TB	Western Digital	WD85PURZ-74C4WY0	*1, *2
		WD85PURZ-85C4WY0	
6TB		WD64PURZ-74BWUY0	*1, *2
		WD64PURZ-85BWUY0	
4TB		WD43PURZ-74BWPY0	*1
		WD43PURZ-85BWPY0	
	Seagate	ST4000VX016	*3
3TB	Western Digital	WD33PURZ-74BWPY0	*1
		WD33PURZ-85BWPY0	
2TB		WD23PURZ-74C5HY0	*1
		WD23PURZ-85C5HY0	
1TB		WD11PURZ-74C5HY0	*1
		WD11PURZ-85C5HY0	

Discontinued HDDs

Capacity	Vendor	Model	Note
8TB	Western Digital	WD84PURZ-74B2YY0	*1, *2
		WD84PURZ-85B2YY0	
6TB		WD63PURZ-74B4VY0	*1
		WD63PURZ-85B4VY0	Discontinued in CQ1'23
		WD60EFRX-68MYMN1	*2
		WD60EFRX-68L0BN1	*2
		WD60PURX-64T0ZY0	*2
		WD60PURX-64T0ZY1	*2
		WD60PURZ-85ZUFY1	*2
		WD62PURZ-74B3AY0	*1, *2
		WD62PURZ-85B3AY0	
	Seagate	ST6000VX001	*2, *3 Discontinued in CY23Q4
5TB	Western Digital	WD50EFRX-68MYMN1	*2
		WD50EFRX-68L0BN1	*2
		WD50PURX-64T0ZY0	*2

Capacity	Vendor	Model	Note
4TB	Western Digital	WD42PURZ-74B4YY0	*1
		WD42PURZ-85B4YY0	Discontinued in CQ1'23
		WD40PURX-64GVNY0	
		WD40PURX-64NZ6Y0	
		WD40PURZ-85TTDY0	
		WD40EFRX-68WT0N0	
		WD40PURZ-74AKKY0	*1
		WD40PURZ-85AKKY0	
3TB		WD30PURZ-74AKKY0	*1
		WD30PURZ-85AKKY0	
		WD30PURX-64P6ZY0	
		WD30PURZ-85GU6Y0	
		WD30EFRX-68EUZN0	
2TB		WD22PURZ-74B4ZY0	*1
		WD22PURZ-85B4ZY0	Discontinued in CY23Q3
		WD20PURX-64P6ZY0	
		WD20PURZ-85GU6Y0	
		WD20EFRX-68EUZN0	
		WD20PURZ-74AKKY0	*1
		WD20PURZ-85AKKY0	

*1 The difference between "-74" and "-85" depends on the WD sales route.
*2 Please refer to page 2, not to fix two screws into bottom side of HDD.
*3 To use Seagate SkyHawk series, it is necessary to set the HDD SSC setting to "OFF" in advance. And need to choose the screws to install the HDDs. Please refer to page 15 for instructions.

3-2 HDD Compatibility Chart (Discontinued Product | Support ends in September 2031)

WJ-NX300K
WJ-HXE400

Updated: 2024-6-10

Latest Firmware Version : V5.80 (NX300)
V1.11 (HXE400)

3.5” SATA – Advanced Format

Current HDDs

Capacity	Vendor	Model	Note
8TB	Western Digital	WD85PURZ-74C4WY0	*1, *2
		WD85PURZ-85C4WY0	
6TB		WD64PURZ-74BWUY0	*1, *2
		WD64PURZ-85BWUY0	
4TB		WD43PURZ-74BWPY0	*1
		WD43PURZ-85BWPY0	
	Seagate	ST4000VX016	*3
3TB	Western Digital	WD33PURZ-74BWPY0	*1
		WD33PURZ-85BWPY0	
2TB		WD23PURZ-74C5HY0	*1
		WD23PURZ-85C5HY0	
1TB		WD11PURZ-74C5HY0	*1
		WD11PURZ-85C5HY0	

Discontinued HDDs

Capacity	Vendor	Model	Note
8TB	Western Digital	WD84PURZ-74B2YY0	*1, *2
		WD84PURZ-85B2YY0	
6TB		WD63PURZ-74B4VY0	*1
		WD63PURZ-85B4VY0	Discontinued in CQ1'23
		WD60EFRX-68MYMN1	*2
		WD60EFRX-68L0BN1	*2
		WD60PURX-64T0ZY0	*2
		WD60PURX-64T0ZY1	*2
		WD60PURZ-85ZUFY1	*2
		WD62PURZ-74B3AY0	*1, *2
		WD62PURZ-85B3AY0	
	Seagate	ST6000VX001	*2, *3 Discontinued in CY23Q4
5TB	Western Digital	WD50EFRX-68MYMN1	*2
		WD50EFRX-68L0BN1	*2
		WD50PURX-64T0ZY0	*2

Capacity	Vendor	Model	Note
4TB	Western Digital	WD42PURZ-74B4YY0	*1
		WD42PURZ-85B4YY0	Discontinued in CQ1'23
		WD40PURX-64GVNY0	
		WD40PURX-64NZ6Y0	
		WD40PURZ-85TTDY0	
		WD40EFRX-68WT0N0	
		WD40PURZ-74AKKY0	*1
		WD40PURZ-85AKKY0	
3TB		WD30PURZ-74AKKY0	*1
		WD30PURZ-85AKKY0	
		WD30PURX-64P6ZY0	
		WD30PURZ-85GU6Y0	
		WD30EFRX-68EUZN0	
2TB		WD22PURZ-74B4ZY0	*1
		WD22PURZ-85B4ZY0	Discontinued in CY23Q4
		WD20PURX-64P6ZY0	
		WD20PURZ-85GU6Y0	
		WD20EFRX-68EUZN0	
		WD20PURZ-74AKKY0	*1
		WD20PURZ-85AKKY0	

*1 The difference between "-74" and "-85" depends on the WD sales route.
*2 Please refer to page 2, not to fix two screws into bottom side of HDD.
*3 To use Seagate SkyHawk series, it is necessary to set the HDD SSC setting to "OFF" in advance. And need to choose the screws to install the HDDs. Please refer to page 15 for instructions.

3-2 HDD Compatibility Chart (Discontinued Product | Support ends in November 2030)

WJ-NX200K

Updated: 2023-6-10

Latest Firmware Version : V5.80

3.5” SATA – Advanced Format

Current HDDs

Capacity	Vendor	Model	Note
8TB	Western Digital	WD85PURZ-74C4WY0	*1, *2
		WD85PURZ-85C4WY0	
6TB		WD64PURZ-74BWUY0	*1
		WD64PURZ-85BWUY0	
4TB		WD43PURZ-74BWPY0	*1
		WD43PURZ-85BWPY0	
3TB		WD33PURZ-74BWPY0	*1
		WD33PURZ-85BWPY0	
2TB		WD23PURZ-74C5HY0	*1
		WD23PURZ-85C5HY0	
1TB		WD11PURZ-74C5HY0	*1
		WD11PURZ-85C5HY0	

Discontinued HDDs

Capacity	Vendor	Model	Note
8TB	Western Digital	WD84PURZ-74B2YY0	*1, *2
		WD84PURZ-85B2YY0	
6TB		WD63PURZ-74B4VY0	*1
		WD63PURZ-85B4VY0	Discontinued in CQ1'23
		WD60EFRX-68MYMN1	*2
		WD60EFRX-68L0BN1	*2
		WD60PURX-64T0ZY0	*2
		WD60PURX-64T0ZY1	*2
		WD60PURZ-85ZUFY1	*2
		WD62PURZ-74B3AY0	*1, *2
		WD62PURZ-85B3AY0	
	Seagate	ST6000VX001	*2, *3 Discontinued in CY23Q4
5TB	Western Digital	WD50EFRX-68MYMN1	*2
		WD50EFRX-68L0BN1	*2
		WD50PURX-64T0ZY0	*2

Capacity	Vendor	Model	Note
4TB	Western Digital	WD42PURZ-74B4YY0	*1
		WD42PURZ-85B4YY0	Discontinued in CQ1'23
		WD40PURX-64GVNY0	
		WD40PURX-64NZ6Y0	
		WD40PURZ-85TTDY0	
		WD40EFRX-68WT0N0	
		WD40PURZ-74AKKY0	*1
		WD40PURZ-85AKKY0	
3TB		WD30PURZ-74AKKY0	*1
		WD30PURZ-85AKKY0	
		WD30PURX-64P6ZY0	
		WD30PURZ-85GU6Y0	
		WD30EFRX-68EUZN0	
2TB		WD22PURZ-74B4ZY0	*1
		WD22PURZ-85B4ZY0	Discontinued in CY23Q3
		WD20PURX-64P6ZY0	
		WD20PURZ-85GU6Y0	
		WD20EFRX-68EUZN0	
		WD20PURZ-74AKKY0	*1
		WD20PURZ-85AKKY0	

*1 The difference between "-74" and "-85" depends on the WD sales route.
*2 Please refer to page 2, not to fix two screws into bottom side of HDD.
*3 To use Seagate SkyHawk series, it is necessary to set the HDD SSC setting to "OFF" in advance. And need to choose the screws to install the HDDs. Please refer to page 15 for instructions.

3-2 HDD Compatibility Chart (Discontinued Product | Support ends in March 2026)

WJ-NV300K

Updated: 2023-10-20

Latest Firmware Version : V2.30

3.5” SATA – Advanced Format

Current HDDs

Capacity	Vendor	Model	Note
6TB	Western Digital	WD64PURZ-74BWUY0	*1
		WD64PURZ-85BWUY0	
4TB		WD43PURZ-74BWPY0	*1
		WD43PURZ-85BWPY0	
3TB		WD33PURZ-74BWPY0	*1
		WD33PURZ-85BWPY0	
2TB		WD23PURZ-74C5HY0	*1
		WD23PURZ-85C5HY0	
1TB		WD11PURZ-74C5HY0	*1
		WD11PURZ-85C5HY0	

Discontinued HDDs

Capacity	Vendor	Model	Note
6TB	Western Digital	WD63PURZ-74B4VY0	*1
		WD63PURZ-85B4VY0	Discontinued in CY23Q1
		WD60EFRX-68MYMN1	
		WD60EFRX-68L0BN1	
		WD60PURX-64T0ZY0	
		WD60PURX-64T0ZY1	
		WD60PURZ-85ZUFY1	
		WD62PURZ-74B3AY0	*1
		WD62PURZ-85B3AY0	
	Seagat	ST6000VX001	*3 Discontinued in CY23Q4
5TB	Western Digital	WD50EFRX-68MYMN1	
		WD50EFRX-68L0BN1	
		WD50PURX-64T0ZY0	
4TB		WD42PURZ-74B4YY0	*1
		WD42PURZ-85B4YY0	Discontinued in CY23Q1
		WD40EURX-63BMCY0	
		WD40PURX-64GVNY0	
		WD40PURX-64NZ6Y0	
		WD40PURZ-85TTDY0	
		WD40PURZ-74AKKY0	*1
		WD40PURZ-85AKKY0	
		WD40EFRX-68WT0N0	

Capacity	Vendor	Model	Note
3TB	Western Digital	WD30PURZ-74AKKY0	*1
		WD30PURZ-85AKKY0	
		WD30EURX-63T0FY0	
		WD30PURX-64P6ZY0	
		WD30PURZ-85GU6Y0	
		WD30EFRX-68EUZN0	
2TB		WD22PURZ-74B4ZY0	*1
		WD22PURZ-85B4ZY0	Discontinued in CY23Q3
		WD20EURX-63T0FY0	
		WD20PURX-64P6ZY0	
		WD20PURZ-85GU6Y0	
		WD20PURZ-74AKKY0	*1
		WD20PURZ-85AKKY0	
		WD20EFRX-68EUZN0	
1TB		WD10EURX-63FH1Y0	

*1 The difference between "-74" and "-85" depends on the WD sales route.
*2 Please refer to page 2, not to fix two screws into bottom side of HDD.
*3 To use Seagate SkyHawk series, it is necessary to set the HDD SSC setting to "OFF" in advance.
And need to choose the screws to install the HDDs. Please refer to page 15 for instructions.

3-2 HDD Compatibility Chart (Discontinued Product | Support ends in March 2026)

WJ-HDE400 with WJ-NV300K

Updated: 2023-10-20

Latest Firmware Version : V1.31

3.5” SATA

Current HDDs

Capacity	Vendor	Model	Note
6TB	Western Digital	WD64PURZ-74BWUY0	*1, *2
		WD64PURZ-85BWUY0	
4TB		WD43PURZ-74BWPY0	*1
		WD43PURZ-85BWPY0	
3TB		WD33PURZ-74BWPY0	*1
		WD33PURZ-85BWPY0	
2TB		WD23PURZ-74C5HY0	*1
		WD23PURZ-85C5HY0	
1TB		WD11PURZ-74C5HY0	*1
		WD11PURZ-85C5HY0	

Discontinued HDDs

Capacity	Vendor	Model	Note
6TB	Western Digital	WD63PURZ-74B4VY0	*1, *2
		WD63PURZ-85B4VY0	Discontinued in CY23Q1
		WD60EFRX-68MYMN1	*2
		WD60EFRX-68L0BN1	*2
		WD60PURX-64T0ZY0	*2
		WD60PURX-64T0ZY1	*2
		WD60PURZ-85ZUFY1	*2
		WD62PURZ-74B3AY0	*1, *2
		WD62PURZ-85B3AY0	
	Seagate	ST6000VX001	*2, *3 Discontinued in CY23Q4
5TB	Western Digital	WD50EFRX-68MYMN1	*2
		WD50EFRX-68L0BN1	*2
		WD50PURX-64T0ZY0	*2

Capacity	Vendor	Model	Note
4TB	Western Digital	WD42PURZ-74B4YY0	*1
		WD42PURZ-85B4YY0	Discontinued in CQ1'23
		WD40PURX-64GVNY0	
		WD40PURX-64NZ6Y0	
		WD40PURZ-85TTDY0	
		WD40EFRX-68WT0N0	
		WD40PURZ-74AKKY0	*1
		WD40PURZ-85AKKY0	
3TB		WD30PURZ-74AKKY0	*1
		WD30PURZ-85AKKY0	
		WD30PURX-64P6ZY0	
		WD30PURZ-85GU6Y0	
		WD30EFRX-68EUZN0	
2TB		WD22PURZ-74B4ZY0	*1
		WD22PURZ-85B4ZY0	Discontinued in CY23Q3
		WD20PURX-64P6ZY0	
		WD20PURZ-85GU6Y0	
		WD20PURZ-74AKKY0	*1
		WD20PURZ-85AKKY0	
		WD20EFRX-68EUZN0	

*1 The difference between "-74" and "-85" depends on the WD sales route.
*2 Please refer to page 2, not to fix two screws into bottom side of HDD.
*3 To use Seagate SkyHawk series, it is necessary to set the HDD SSC setting to "OFF" in advance. And need to choose the screws to install the HDDs. Please refer to page 15 for instructions.

3-2 HDD Compatibility Chart (Discontinued Product)

WJ-HD616K
WJ-HD716K
WJ-HDE400

Very Important Notification for Compatibility of i-PRO NVR/DVR's with AF (Advanced Format) HDD's

HD616K/716K	HDE400	Note
V2.30 or above	V1.20 or above	These versions are compatible with AF HDD's. (AF HDD has 4K-byte data in one sector, while legacy HDD has 512byte in one sector.)
V2.20 or below	V1.07 or below	These versions are not compatible with AF HDD's. If AF HDD will be installed into DVR's/NVR of these older versions, lack of recorded image/video, frequent restart of recorder, or some unexpected troubles may happen.

3-2 HDD Compatibility Chart (Discontinued Product | Support ends in June 2026)

WJ-HD616K
WJ-HD716K
WJ-HDE400

Updated: 2023-10-20

Current Firmware Version : V2.71 (HD616/716)
V1.31 (HDE400)

3.5” SATA – Advanced Format

HD616/HD716 MUST be V2.30 or above. (Please refer to page 30)

Current HDDs

Capacity	Vendor	Model	Note
6TB	Western Digital	WD64PURZ-74BWUY0	*1, *2
		WD64PURZ-85BWUY0	
4TB		WD43PURZ-74BWPY0	*1
		WD43PURZ-85BWPY0	
3TB		WD33PURZ-74BWPY0	*1
		WD33PURZ-85BWPY0	
2TB		WD23PURZ-74C5HY0	*1
		WD23PURZ-85C5HY0	
1TB		WD11PURZ-74C5HY0	*1
		WD11PURZ-85C5HY0	

Discontinued HDDs

Capacity	Vendor	Model	Note
6TB	Western Digital	WD63PURZ-74B4VY0	*1, *2
		WD63PURZ-85B4VY0	Discontinued in CY23Q1
		WD62PURZ-74B3AY0	*1, *2
		WD62PURZ-85B3AY0	
		WD60EFRX-68MYMN1	*2
		WD60EFRX-68L0BN1	*2
		WD60PURX-64T0ZY0	*2
		WD60PURX-64T0ZY1	*2
		WD60PURZ-85ZUFY1	*2
	Seagate	ST6000VX001	*2, *3 Discontinued in CY23Q4
5TB	Western Digital	WD50EFRX-68MYMN1	*2
		WD50EFRX-68L0BN1	*2
		WD50PURX-64T0ZY0	*2
4TB		WD42PURZ-74B4YY0	*1
		WD42PURZ-85B4YY0	Discontinued in CY23Q3
		WD40PURX-64GVNY0	
		WD40PURX-64NZ6Y0	
		WD40PURZ-85TTDY0	
		WD40PURZ-74AKKY0	*1
		WD40PURZ-85AKKY0	
		WD40EFRX-68WT0N0	

Capacity	Vendor	Model	Note
3TB	Western Digital	WD30PURZ-74AKKY0	*1
		WD30PURZ-85AKKY0	
		WD30PURX-64P6ZY0	
		WD30PURZ-85GU6Y0	
		WD30EFRX-68EUZN0	
2TB		WD22PURZ-74B4ZY0	*1
		WD22PURZ-85B4ZY0	Discontinued in CY23Q3
		WD20PURX-64P6ZY0	
		WD20PURZ-85GU6Y0	
		WD20PURZ-74AKKY0	*1
		WD20PURZ-85AKKY0	
		WD20EFRX-68EUZN0	

*1 The difference between "-74" and "-85" depends on the WD sales route.
*2 Please refer to page 2, not to fix two screws into bottom side of HDD.
*3 To use Seagate SkyHawk series, it is necessary to set the HDD SSC setting to "OFF" in advance.
And need to choose the screws to install the HDDs. Please refer to page 15 for instructions.

CONTENTS

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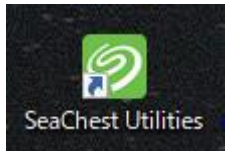
4-1 SSC setting procedure / The preparations to use Seagate HDD

1. Download SeaChest Utilities from the following URL then install it to Windows PC.

   https://www.seagate.com/support/software/seachest/

2. Connect target HDD via USB to the PC which SeaChest Utilities is installed.

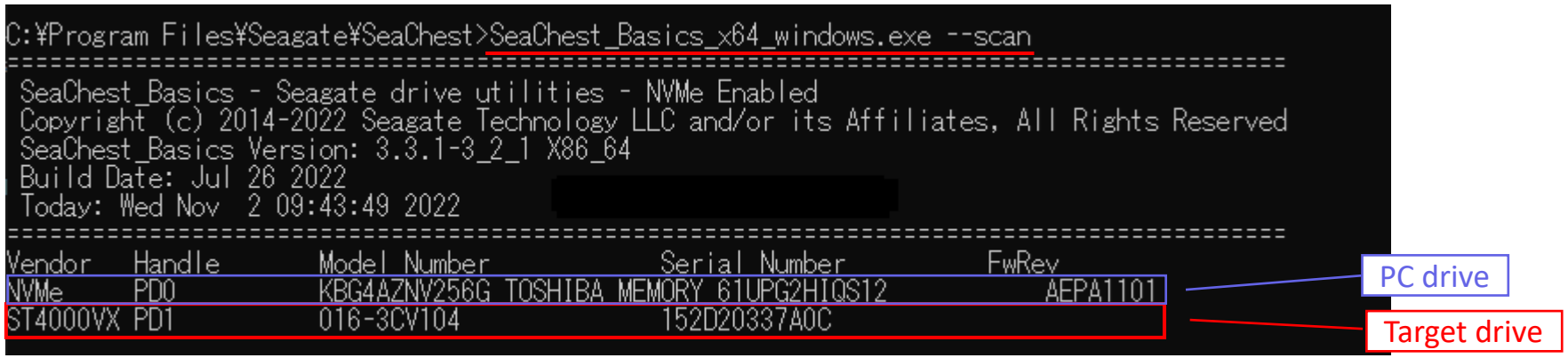
3. Double click SeaChest Utilities icon on desktop and launch SeaChest Utilities.



4-1 SSC setting procedure / The preparations to use Seagate HDD

4. Enter the following command from Windows Command Prompt.

Seachest_Basics_x64_windows.exe --scan

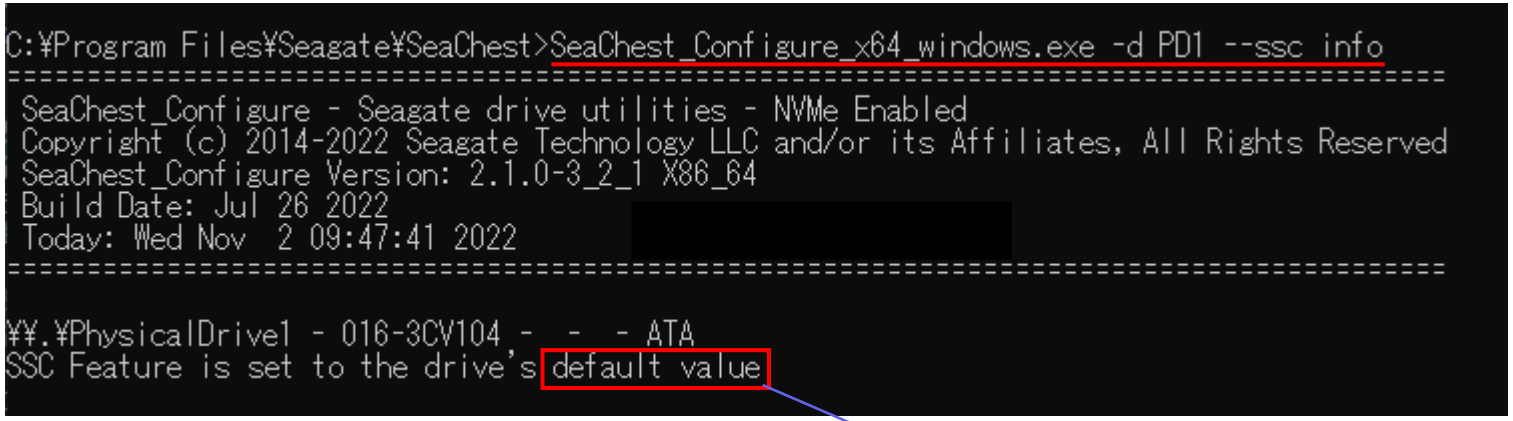


Seagate Model# won't be displayed because HDD is connected via USB bridge chip.
Check ID# (PD1 for above case) of target drive.

4-1 SSC setting procedure / The preparations to use Seagate HDD

5. Confirm the current SSC condition by entering the following command.

Seachest_Configure_x64_windows.exe -d PD1 --ssc info

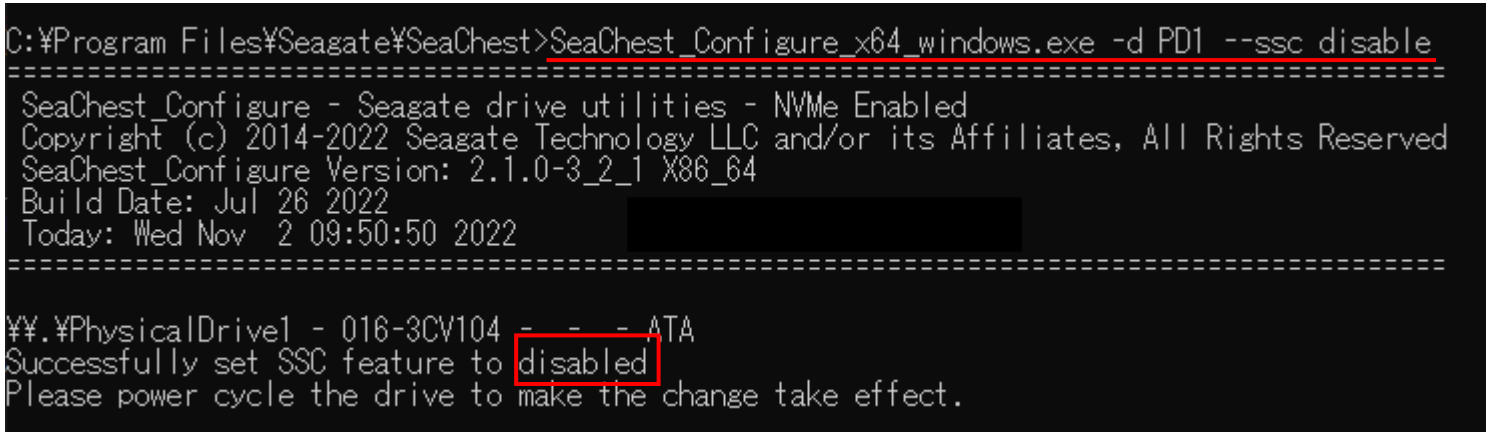


default value : SSC Feature is enabled. (SSC is “ON”)

4-1 SSC setting procedure / The preparations to use Seagate HDD

6. Turn off SSC by entering the following command.

Seachest_Configure_x64_windows.exe -d PD1 --ssc disable

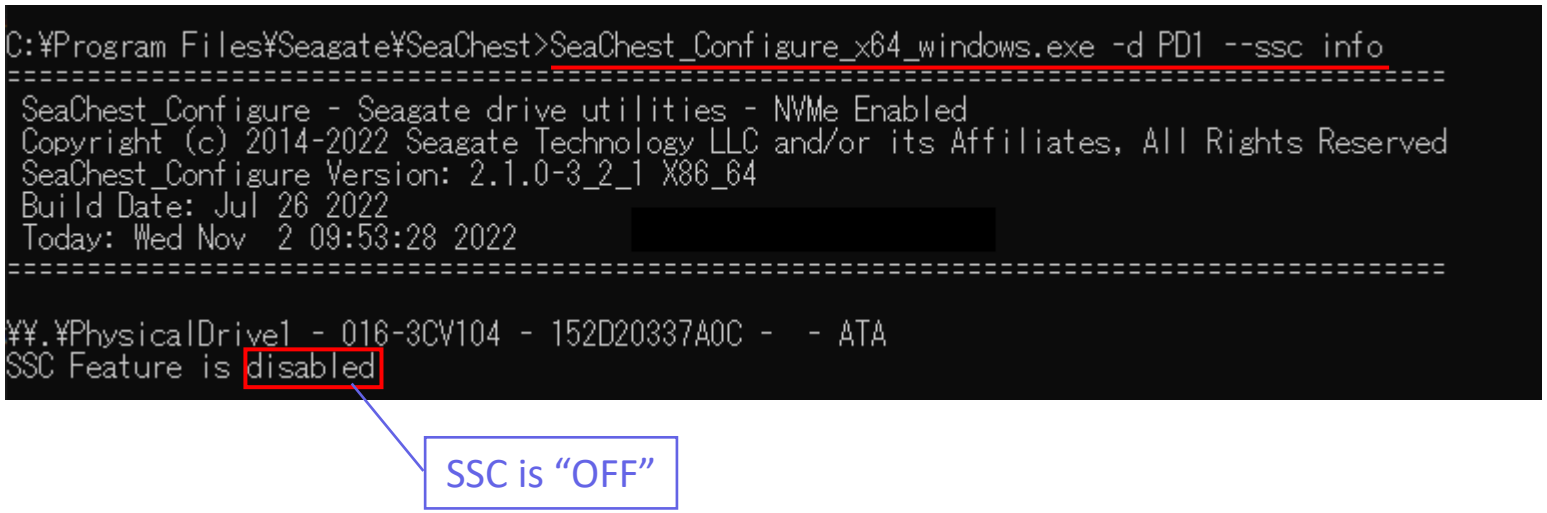


Power cycle the drive to make the change take effect.
(No need to close SeaChest Utilities during power cycle)

4-1 SSC setting procedure / The preparations to use Seagate HDD

7. Confirm SSC setting had been changed by entering the following command.

Seachest_Configure_x64_windows.exe -d PD1 --ssc info



8. Power off USB-SATA converter and then remove the HDD from the converter.

4-2 Recorder Maintenance Guide

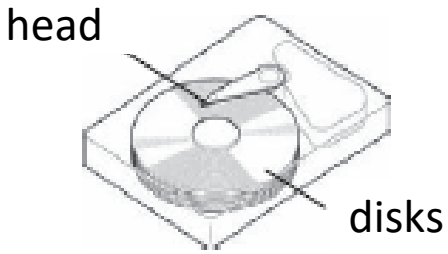
For All models

Introduction

As network disk recorders used for security system generally operate all-year-round,
they need regular maintenance to avoid system failures and to keep their performance.

What is a hard disk drive?

A hard disk drive (an HDD) is a device which reads and writes digital data magnetically with the disks (platters) that spin and the head floating above the disks.

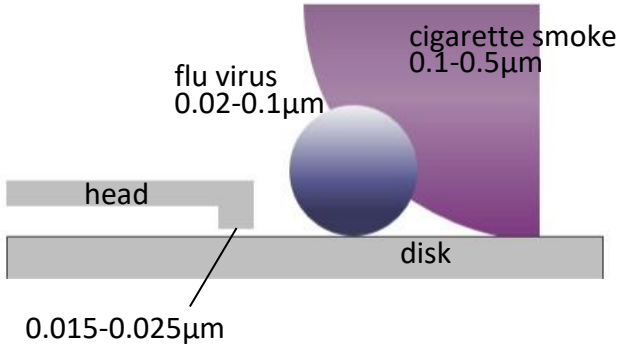


Points to Note

Point # 1 Avoid Vibration

The magnetic head floating above the disks in an HDD is set extremely close to the disks with the spacing that even cigarette smoke or flu virus cannot go through. Therefore, vibration can cause head crash and generate tiny dust if the head gets out of correct position. This results in creating fatal scratches in an HDD. Please install your recorder in a stable place away from declination, vibration or physical impact.
Also, as an impact of sound (sound pressure) such as the radiation sound from gas distinguishing agent system can affect the speed of data transfer on HDDs, please install your recorder in the place without loud noise.

HDD = Precision Device



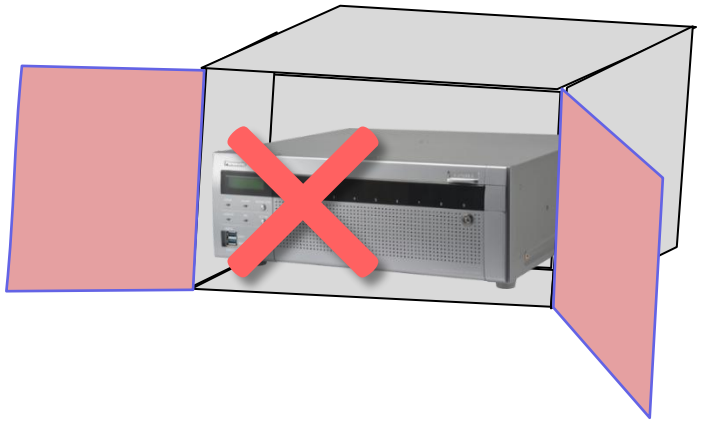
4-2 Recorder Maintenance Guide

For All models

Point # 2 Keep Your Recorder from Getting Hot

Keeping HDDs exposed to high temperature results in the deterioration of its head and disks, and it can shorten the HDD life as well. Please consider ventilation when installing. The ambient operating temperature is 5 degrees Celsius to 45 degrees Celsius (the recommended temperature is 25 degrees Celsius).

Consider Ventilation When Installing

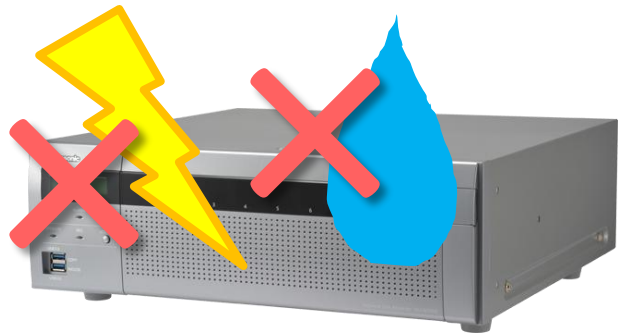


Point # 3 Avoid Static Electricity and Condensation

Static electricity can be the cause of electronic parts failure in an HDD.
Condensation can cause a malfunction of a recorder as the head sticks to the disk due to the water.
Condensation occurs;

- when relocating the recorder to a place with sudden change in temperature and humidity.
- in the room just after heated.
- when the recorder is relocated from the cooled place to the heated place with high humidity.

Prevent Static Electricity and Condensation



4-2 Recorder Maintenance Guide

For All models

Regular Maintenance is Necessary for a Network Disk Recorder

As a network disk recorder has HDDs for data storage, regular maintenance is necessary to use the recorder under its optimal conditions.

The Major Causes of Network Disk Recorder Failure

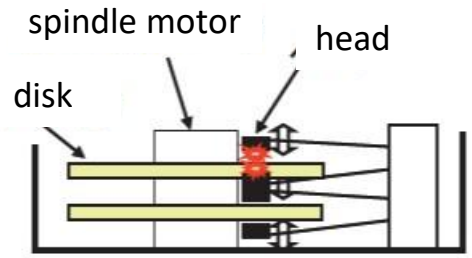
The Major causes of network disk recorder failure results from HDD malfunctions as below.

a. The head crashes on the disk due to vibration or impact on the recorder and that creates scratches on the disk.

b. Operating your recorder in high temperature environment causes the incorrect spacing between the head and the disks and that causes a head crush and creates scratches on the disk.

c. Non-proper spin of the motor and the deterioration of the head's characteristics occur due to the long term use of HDDs. These can cause the write/ read error.
The scratches on the disk gets larger in several months and causes a recorder failure.

Cutaway of an HDD



Tips for the Stable Operation of Your Network Disk Recorder

As the parts in a disk recorder are consumable, it is necessary to maintain your recorder regularly.
The consumable parts in a network disk recorder are the followings.
HDD Unit / cooling fan / built-in backup battery / damper rubber for fixing HDDs.
(Please note that the applied parts varies depending on the models.)
Maintenance including parts exchange leads to the stable operation of your recorder.

4-2 Recorder Maintenance Guide

For All models

Estimated Replacement Period of an HDD

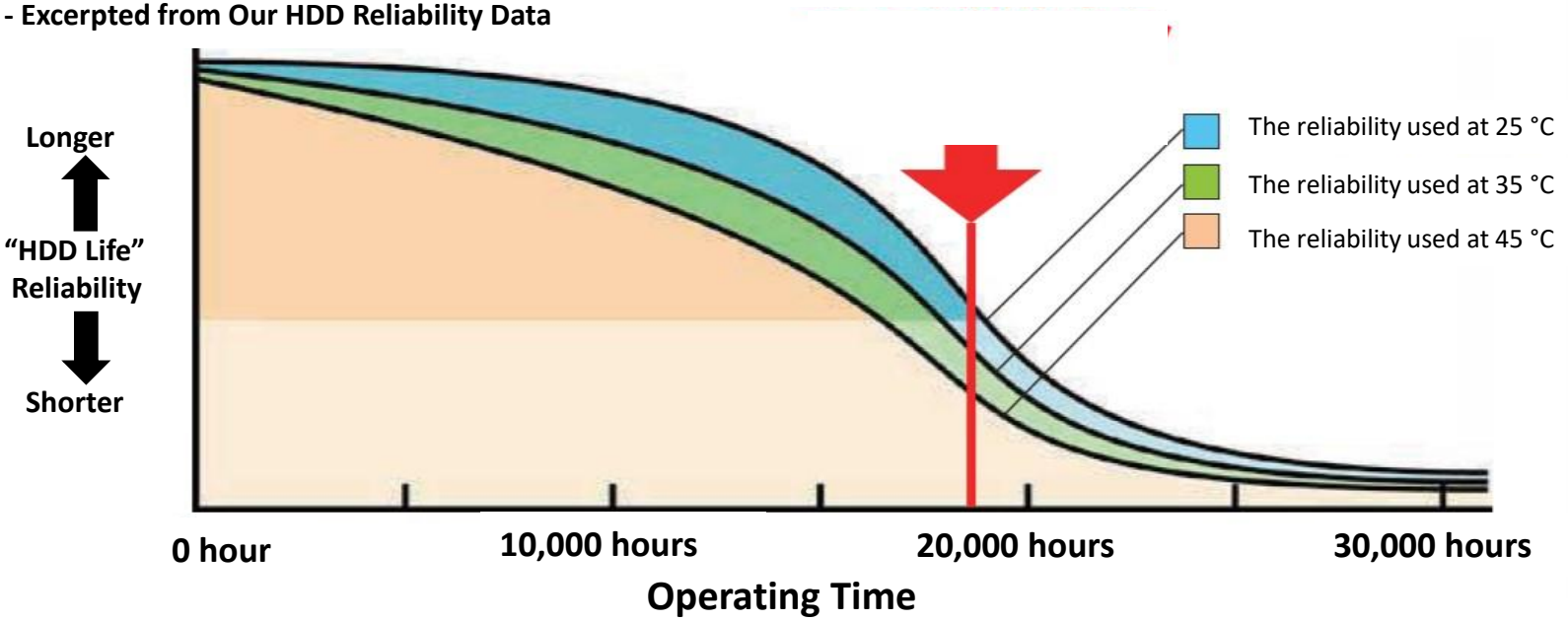
Although the HDD life differs depending on the usage environment, an HDD is certainly a consumable device. When used at an ambient temperature of 25 degrees Celsius, errors such as write error may start to occur at the operating time of 20,000 hours. When it reaches over 30,000 hours, the HDD can die due to the deterioration of the read/ write head or the motor in it.
Keep the ambient temperature under 25 degrees Celsius and replace HDDs at the point of 18,000 hours for your secure data management.
Please note that this is our estimated replacement period for reference and does not guarantee the life of your HDDs.

Hour Meter:
Approx. 9,000h = 1 year, : Approx. 18.000h = 2 years, Approx. 26,000h = 3 years, Approx. 35,000h = 3 years, Approx. 44,000h = 5 years.

HDD Life Characteristics

Replacement time of the HDD used at an ambient temperature of 25 degrees Celsius

- Excerpted from Our HDD Reliability Data

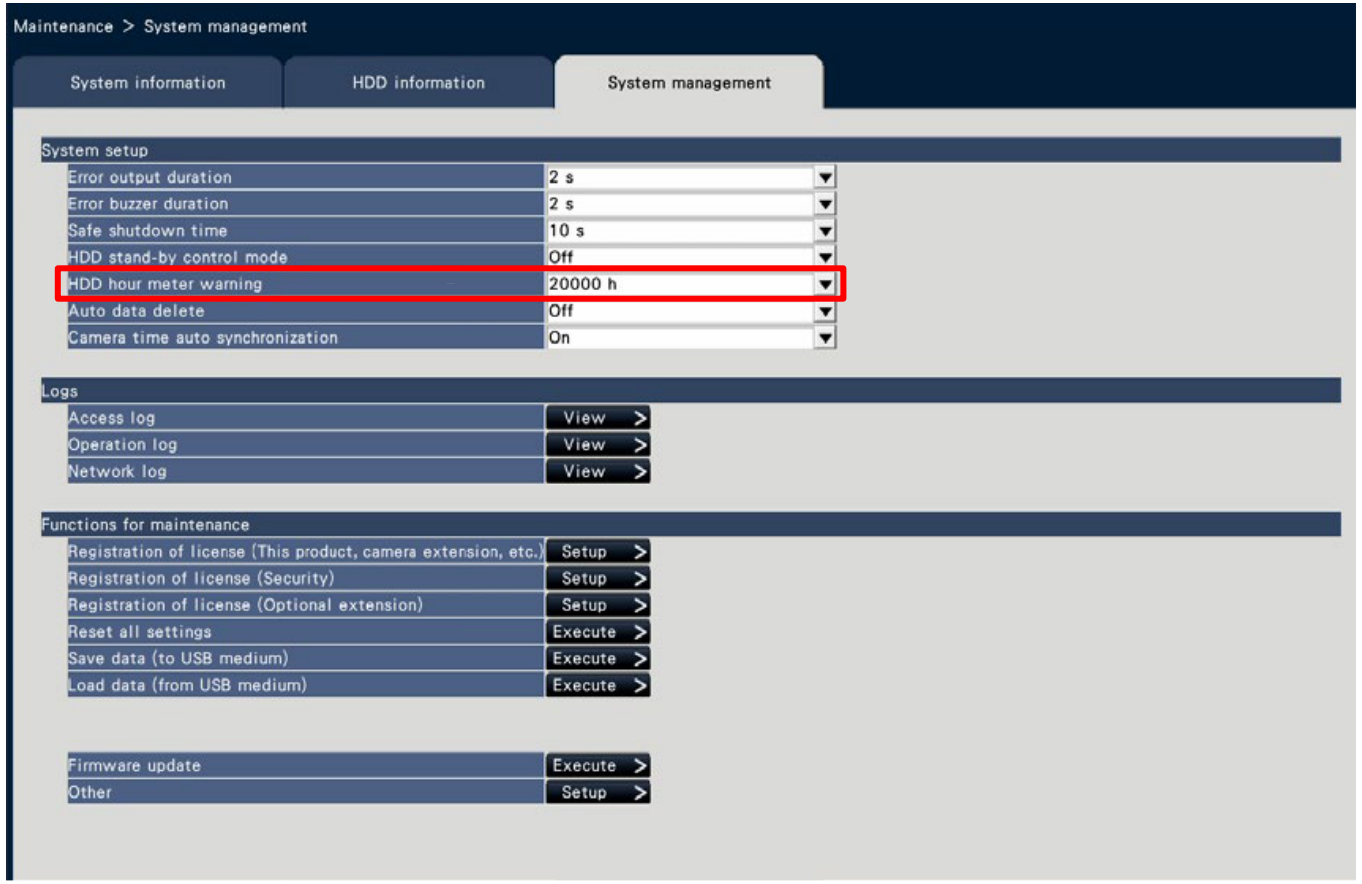


4-2 Recorder Maintenance Guide

For All models

HDD hour meter warning

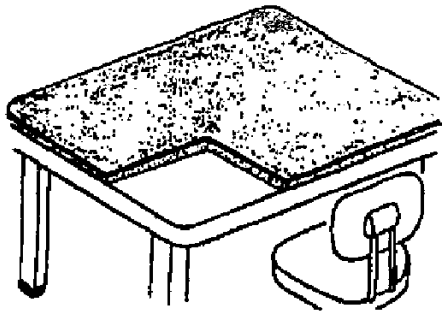
HDD hour meter warning is a function that performs a warning when the operating time of an HDD reaches a specified level.
With default setting, it performs a warning at the operating time of 20,000 hours where errors such as write error can start to occur.
As described on the previous slide, the reliability of an HDD starts to decrease rapidly before the operating time reaches 20,000 hours.
Therefore, we recommend to replace HDDs at the point of 18,000 hours to prevent possible failures and manage data securely.



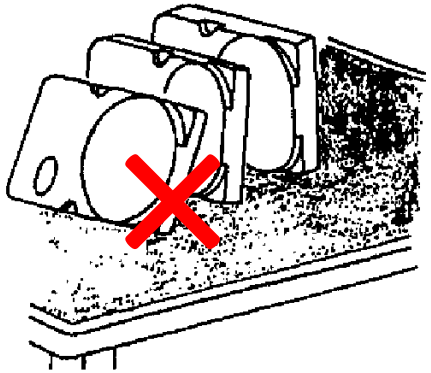
4-2 Recorder Maintenance Guide

For All models

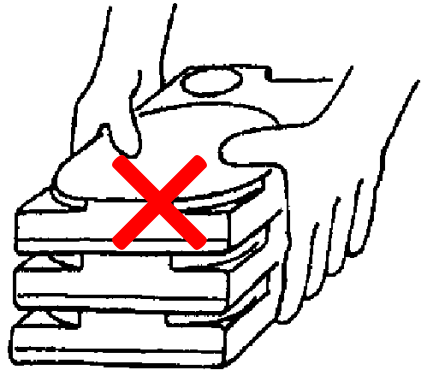
To Prevent HDD troubles ….



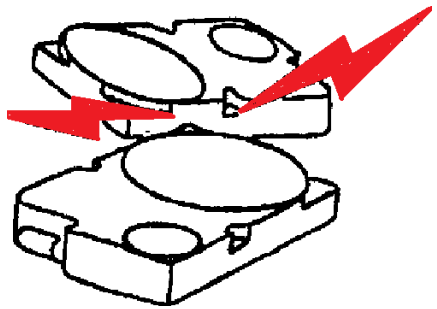
Use Antistatic & shock prevention mat



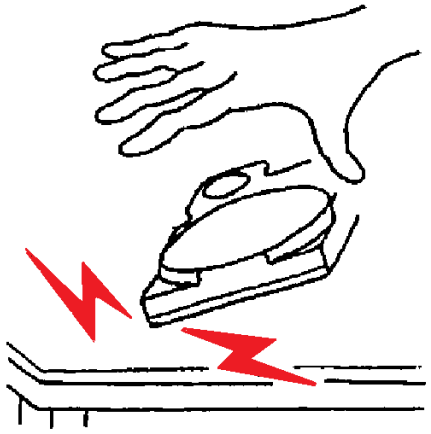
Do not place vertically



Do not stack



Do not hit



Do not drop

Do not use a regular electric screwdriver

4-3 Notice

For All models

The notification regarding the HDD for WJ-NX400,300,200 series and others

*1 The difference between "-74" and "-85" depends on the WD sales route.
*2 Please refer to page 2, not to fix two screws into bottom side of HDD.
*3 To use Seagate SkyHawk series, it is necessary to set the HDD SSC setting to "OFF" in advance.
And need to choose the screws to install the HDDs. Please refer to page 15 for instructions.

The notification regarding the HDD for WJ-NX410,510,HXE410

*1 The difference between "-74" and "-85" depends on the WD sales route.
*2 Please refer to page 2, not to fix two screws into bottom side of HDD.
*3 To use Seagate SkyHawk series, it is necessary to set the HDD SSC setting to "OFF" in advance. And need to choose the screws to install the HDDs.
Please refer to page 4 for instructions.
*4 When using WJ-HXE410 with WJ-NX400 and NX300, HDDcapacity is limited. (Up to 8TB HDD is available)
*5 This HDD must be used in an environment at least 5°C (41°F).

The notification regarding the HDD for WJ-NX310

*1 The difference between "-74" and "-85" depends on the WD sales route.
*2 With Seagate HDDs, the hard drive might not be mounted on NX310 rare occasions during product starting up.
So, We temporarily remove the Seagate HDDs from the list until this issue is resolved.

The notification regarding the HDD for WJ-NU301/300/201/101

*1 The difference between "-74" and "-85" depends on the WD sales route.
*2 This HDD must be used in an environment at least 5°C (41°F).

i-PRO