

E-TUBE PROJECT Compatibility Chart

When any device which is not shown in E-TUBE PROJECT compatibility chart is connected, all components don't work.

Confirm the E-TUBE PROJECT compatibility chart.

Di2 with [BT-DN320](#)

Remarks

New models: [XX-####](#)

Discontinued: [XX-####](#)

Battery

1 unit from this group

On-board Battery

[BT-DN320](#)

Switch unit

Max. 3 wireless units except satellite shifter from this group ^{*1}

Wireless only spec.

ST-RX825-L
ST-RX825-R

Satellite shifter (option)
SW-RS801-S
SW-RS801-T
SW-RS801-E

ST-R7170-L

ST-R7170-R

[SW-M9250-R](#)

[SW-M9250-IR](#)

[SW-M8250-R](#)

[SW-M8250-IR](#)

[SW-M6250-R](#)

SW-EN605-R

Wireless or SD300 wired spec.

ST-R9270-L

ST-R9270-R

ST-R8170-L

ST-R8170-R

* Wireless connection only.

Satellite shifter (option)

SW-RS801-S

SW-RS801-T

SW-RS801-E

Rear shifting unit

1 unit from this group

12-speed

[RD-M9250-GS](#)

[RD-M8250-GS](#)

[RD-RX827-SGS](#)

[RD-M9250-SGS](#)

[RD-M8250-SGS](#)

[RD-M6250-SGS](#)

PC linkage device

SM-PCE02

Limitation of function with [BT-DN320](#) ■■■■■■■■

^{*1} The number of connectable wireless units is limited as follows:

- DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit
- Switch unit: maximum of one SW-R/IR

Remarks
New models: [XX-####](#)
Discontinued: [XX-####](#)

Battery

1 unit from this group

Internal Battery
BT-DN300

Switch unit

Max. 8 units
(6 wired units and 2 wireless units)
except satellite shifter from this group *1

Wireless only spec.

ST-RX825-L ST-R7170-L
ST-RX825-R ST-R7170-R

Satellite shifter
(option)
SW-RS801-S
SW-RS801-T
SW-RS801-E

Wireless or SD300 wired spec.

ST-R9270-L ST-R9270-R
ST-R8170-L ST-R8170-R

Satellite shifter
(option)
SW-RS801-S
SW-RS801-T
SW-RS801-E

SD300 wired spec.

ST-R9250-L ST-R9250-R
ST-R8150-L ST-R8150-R

Satellite shifter
(option)
SW-RS801-S
SW-RS801-T
SW-RS801-E

SW-M8150-R
SW-M8150-IR

SD50 wired spec. *2

ST-R9160-L ST-R9160-R
ST-R9180-L ST-R9180-R
ST-R8060-L ST-R8060-R
SW-R9150
SW-R9160

Rear shifting unit

1 unit from this group

12-speed

RD-R9250

RD-R8150

RD-R7150

RD-RX825

Front shifting unit

1 unit from this group

FD-R9250

FD-R8150

FD-R7150

FD-RX825

PC linkage device

SM-PCE02

Limitation of function with BT-DN300 ■■■■■■■■

- *1 The number of connectable wireless units is limited as follows:
- DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit
- *2 EW-AD305 is needed.

Di2 with BM-DN100 / BT-DN110

- **SM-BTR1** is not displayed on E-TUBE PROJECT (BM-DN100 is displayed)
- BT-DN110-A is displayed as BT-DN110 on E-TUBE PROJECT

Remarks

New models: **XX-####**

Discontinued: **XX-####**

ROAD, GRAVEL

LIFESTYLE

**Battery
(w/ Battery mount)**
1 unit from this group

**System information
display or junction [A]**
1 unit from this group

Switch unit

Max. 6 unit from this group

Rear shifting unit

1 unit from this group

Front shifting unit

1 unit from this group

Wireless unit

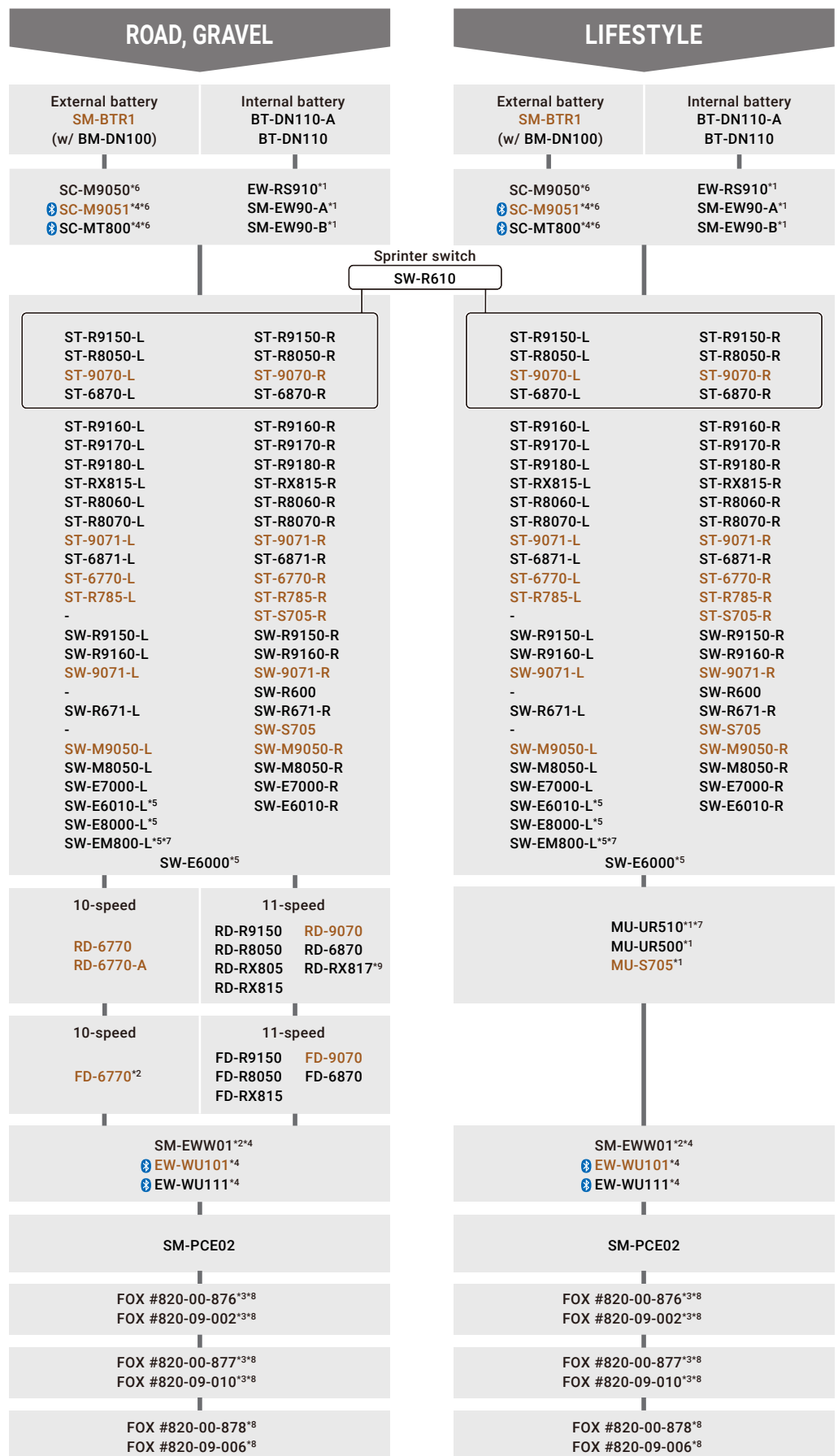
1 unit from this group

PC linkage device

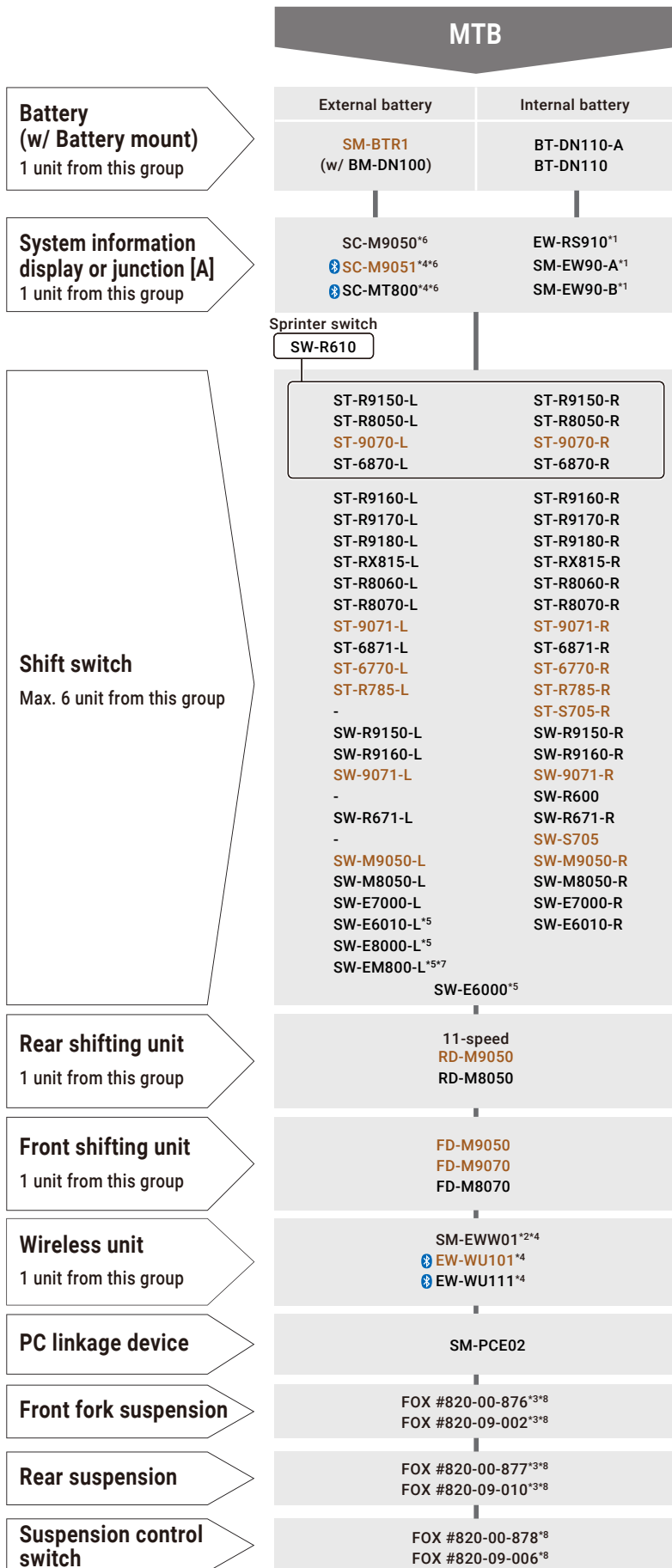
Front fork suspension

Rear suspension

Suspension control switch

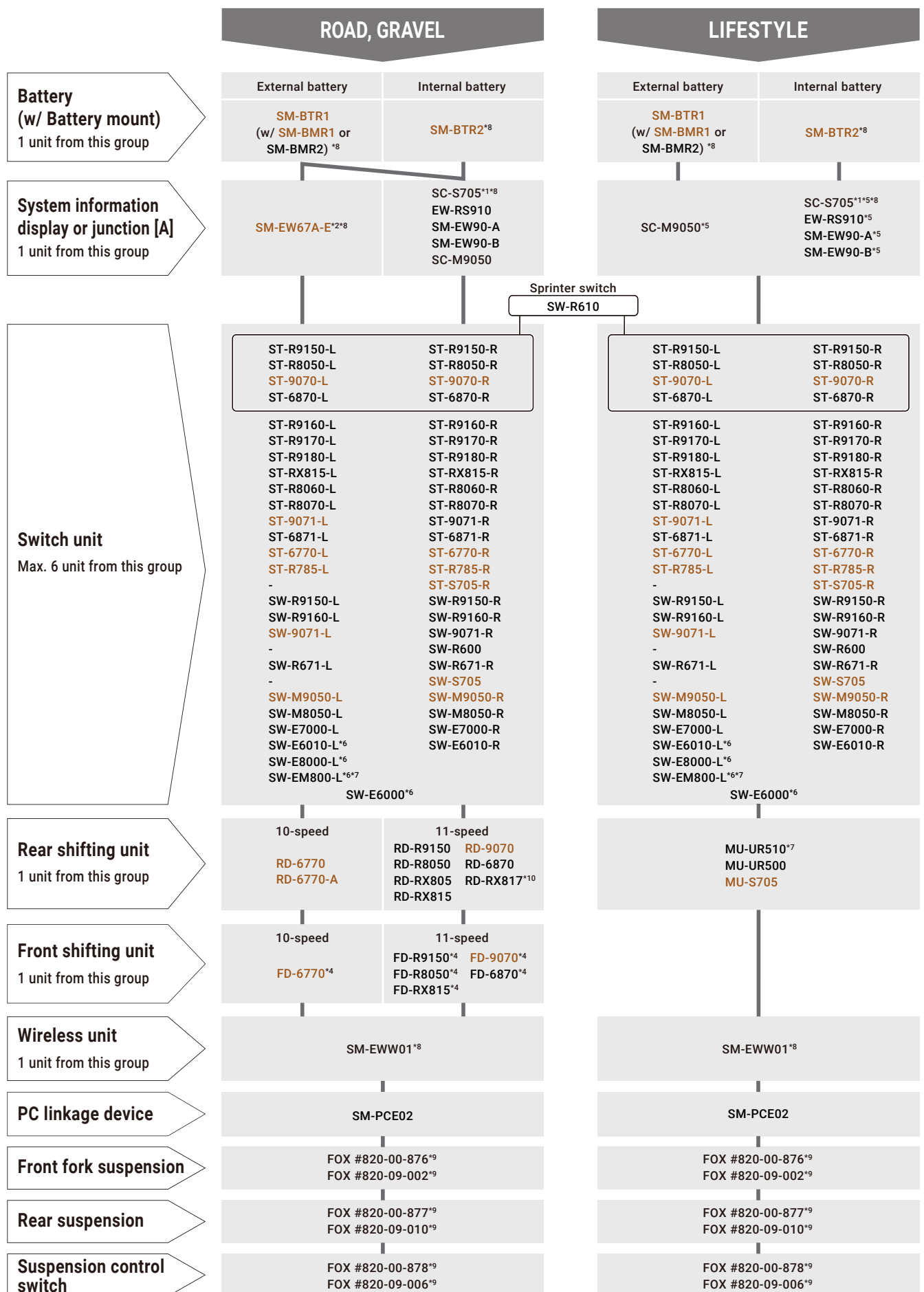


Remarks
 New models: **XX-####**
 Discontinued: **XX-####**



Limitation of function with BM-DN100 / BT-DN110 ■■■■■■■■■■

- *1 Shifting adjustment mode for **MU-S705**, MU-UR500 and MU-UR510 is not supported (need E-TUBE PROJECT to adjust)
- *2 Not supported by E-TUBE PROJECT Cyclist
- *3 A designated control switch and/or the combination **SW-M9050**/SW-M8050-L with SC-M9050/**SC-M9051**/SC-MT800 is required to operate
- *4 The system accepts just 1 unit with wireless chip (doesn't work if plural units with wireless chip are connected)
- *5 Need to change switch setting by E-TUBE PROJECT
- *6 SC-M9050, **SC-M9051** or SC-MT800 is required for SYNCHRONIZED SHIFT in MTB category
- *7 This unit has SD300 port, and needs EW-AD305 for connection with SD50 port unit
- *8 Only supported by E-TUBE PROJECT Cyclist
- *9 For front single models only. Cannot be used in combination with a front derailleur.



Remarks
New models: XX-####
Discontinued: XX-####

Battery
(w/ Battery mount)
1 unit from this group

System information
display or junction [A]
1 unit from this group

Switch unit
Max. 6 unit from this group

Rear shifting unit
1 unit from this group

Front shifting unit
1 unit from this group

Wireless unit
1 unit from this group

PC linkage device

Front fork suspension

Rear suspension

Suspension control
switch



Limitation of function with **SM-BMR1** / **SM-BMR2** / **SM-BTR2** ■■■■■■■■

- *1 SC-S705
 - Front derailleur position will not appear on display.
 - Recovery from Rear derailleur protection function is not available.
 - Front / Rear derailleur adjustment mode is not available. Use E-TUBE PROJECT software.
 - SC-S705 has only 1 SD50 port for ST / SW.
 - SC-S705 may not turn on the display by front shift switch.
- *2 SM-BCR2 requires any device which has charging port.
SM-EW67-A-E (Junction [A]) is not compatible with SM-BCR2 and **SM-BTR2**.
- *3 SC-M9050 is required for SYNCHRONIZED SHIFT in case with MTB-type Rear Derailleur
- *4 SYNCHRONIZED SHIFT is not available with Road-type Rear Derailleur
- *5 Shifting adjustment mode for **MU-S705**, MU-UR500 and MU-UR510 is not supported (need E-TUBE PROJECT to adjust)
- *6 Need to change switch setting by E-TUBE PROJECT
- *7 This unit has SD300 port, and needs EW-AD305 for connection with SD50 port unit
- *8 Not supported by E-TUBE PROJECT Cyclist
- *9 Only supported by E-TUBE PROJECT Cyclist
- *10 For front single models only. Cannot be used in combination with a front derailleur.

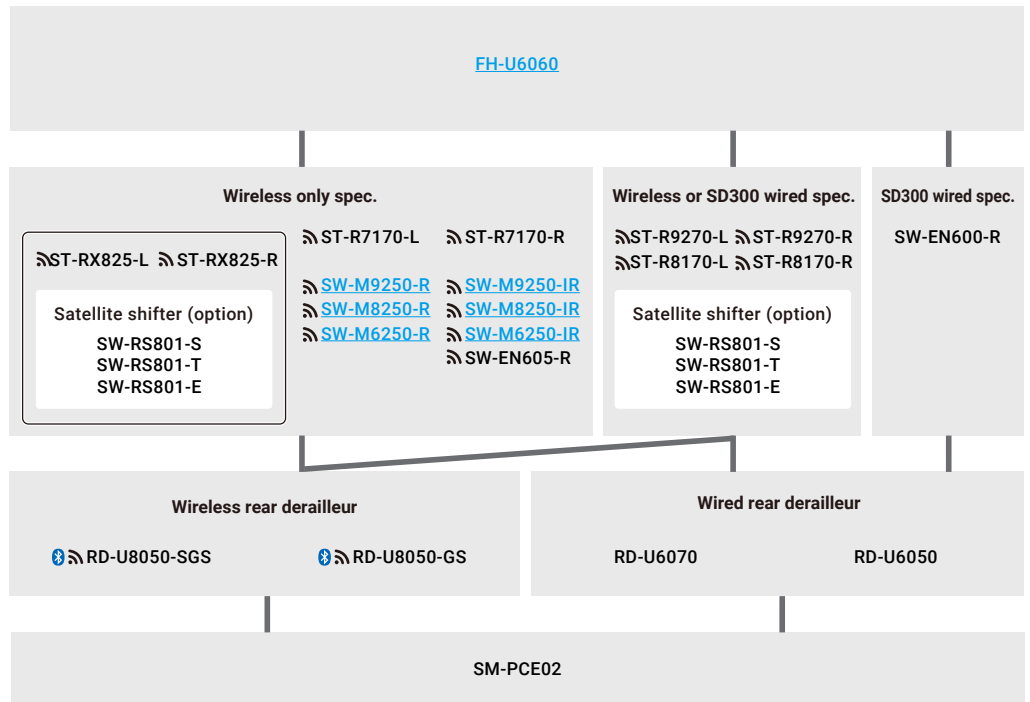
Remarks
New models: [XX-####](#)
Discontinued: [XX-####](#)

**AUTO SHIFT
Dynamo FREEHUB**
1 unit from this group

Switch unit (option)
Max. 4 units (1 wired unit
and 3 wireless units)
except satellite shifter
from this group*¹

Rear shifting unit
1 unit from this group

PC linkage device



Limitation of function with FH-U6060 ■■■■■■■■

- *1 The number of connectable wireless units is limited as follows:
- DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit
 - Switch unit: maximum of one SW-R/IR

2nd generation (Gen.2) battery management system

This is a compatibility table when using the following batteries.

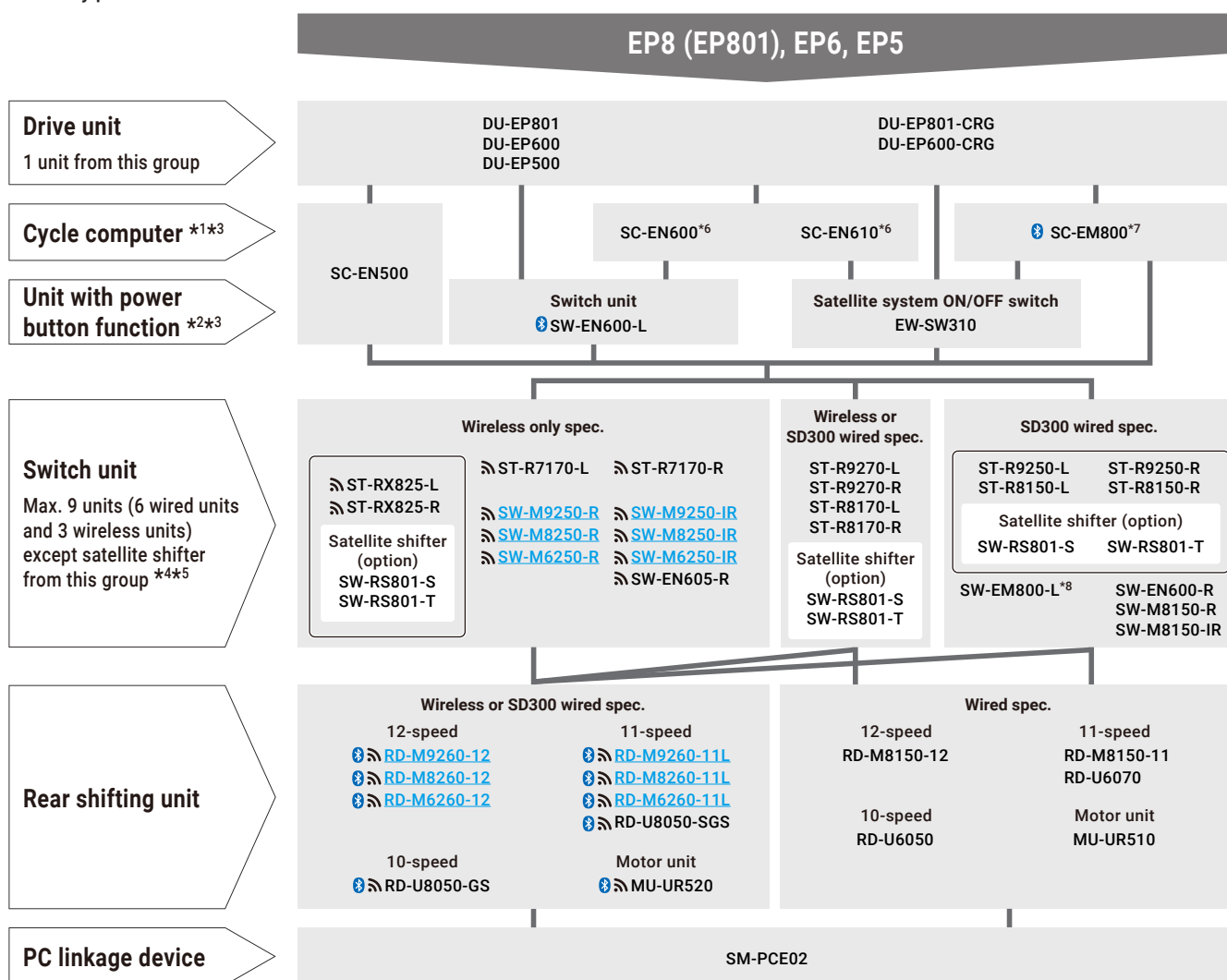
- SHIMANO E-BIKE SYSTEMS Gen.2 battery
- Battery with hardware and firmware compatible with Gen.2 made by partner manufacturers.

Remarks

New models: **XX-####**

Discontinued: **XX-####**

* Gen.2 battery management system is not compatible with a battery with hardware and firmware compatible with conventional system made by partner manufacturers.



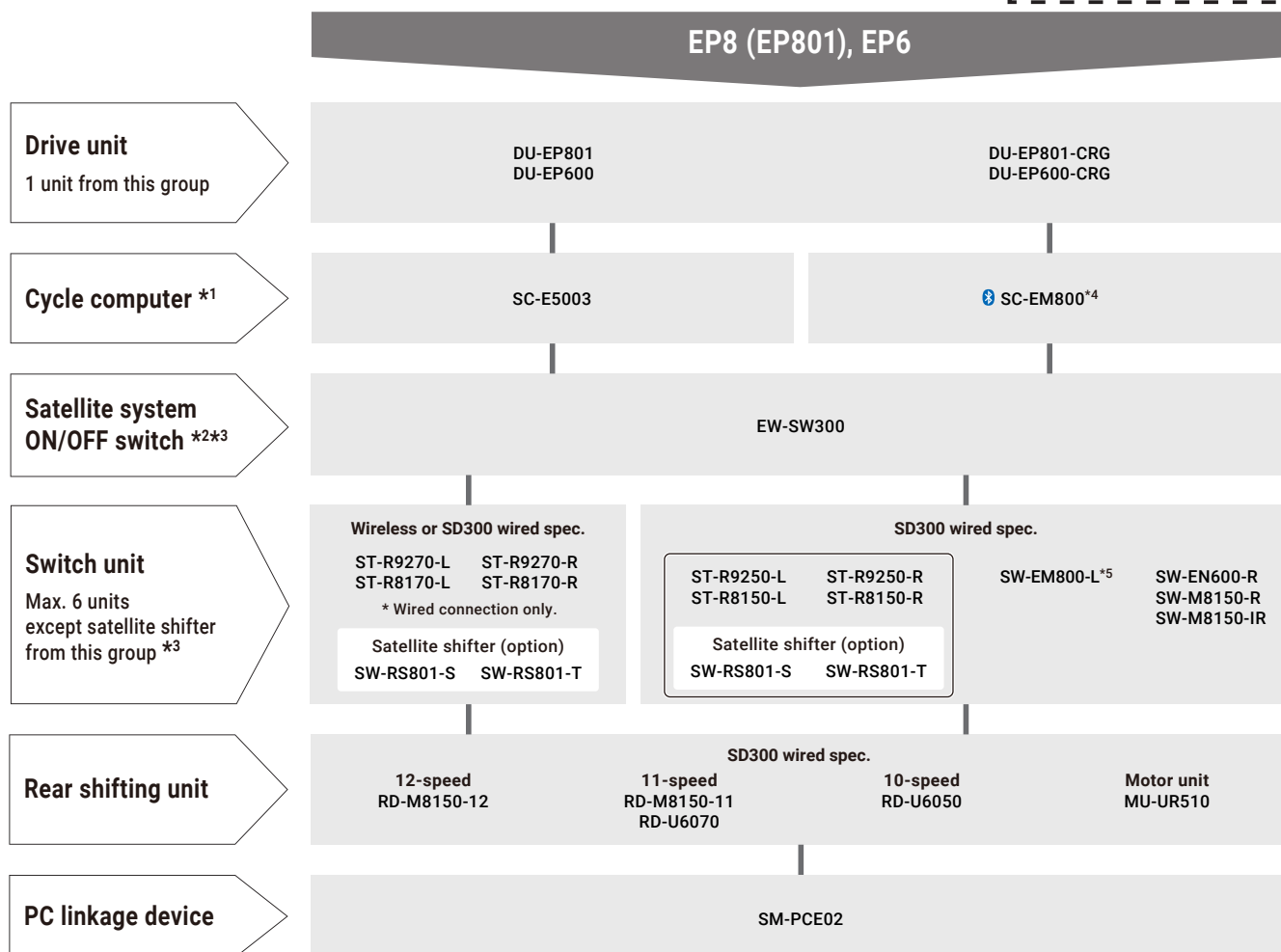
Limitation of function ■■■■■■■■

- *1 When system has unit with power button function, cycle computer isn't mandatory.
- *2 When the cycle computer, switch unit, and other units has power ON / OFF function, the unit with power button function isn't mandatory.
- *3 When system has 3rd party CAN cycle computer, SHIMANO cycle computer and the unit with power button function isn't mandatory.
- *4 Switch units are defined by model no. [SW], [ST], and [EW-SW] in this chart.
- *5 The number of connectable wireless units is limited as follows:
 - DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit
 - Switch unit: maximum of one SW-R/IR
- *6 Switch unit is mandatory for assist control.
- *7 When drive unit (US class 3) is connected, cycle computer can displays main screen (speed and assist bar) only.
- *8 Need to change switch setting by E-TUBE PROJECT to use as shift switch.

1st generation battery management system for partner manufacturers' battery

* This is a compatibility table when using a battery made by a partner manufacturer that ensures compatibility only by updating the firmware.

Remarks
New models: [XX-####](#)
Discontinued: [XX-####](#)



Limitation of function ■■■■■■■■

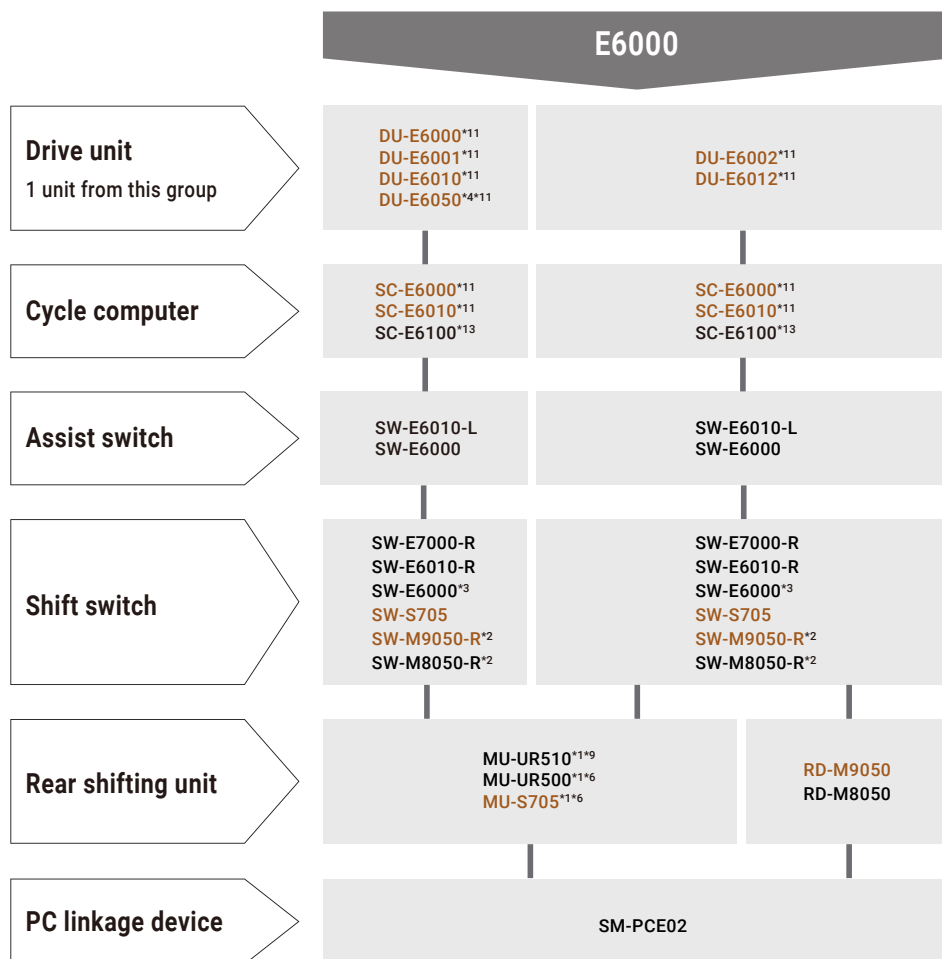
- *1 Cycle computer is mandatory.
- *2 When power on/off function on other unit, satellite power on/off switch isn't mandatory.
- *3 Switch units are defined by model no. [SW], [ST], and [EW-SW] in this chart.
- *4 When drive unit (US class 3) is connected, cycle computer can displays main screen (speed and assist bar) only.
- *5 Need to change switch setting by E-TUBE PROJECT to use as shift switch.

1st generation battery management system

* This is a compatibility table when using the following batteries.

- SHIMANO E-BIKE SYSTEMS 1st generation battery
- Battery with hardware and firmware compatible with conventional system made by partner manufacturers.

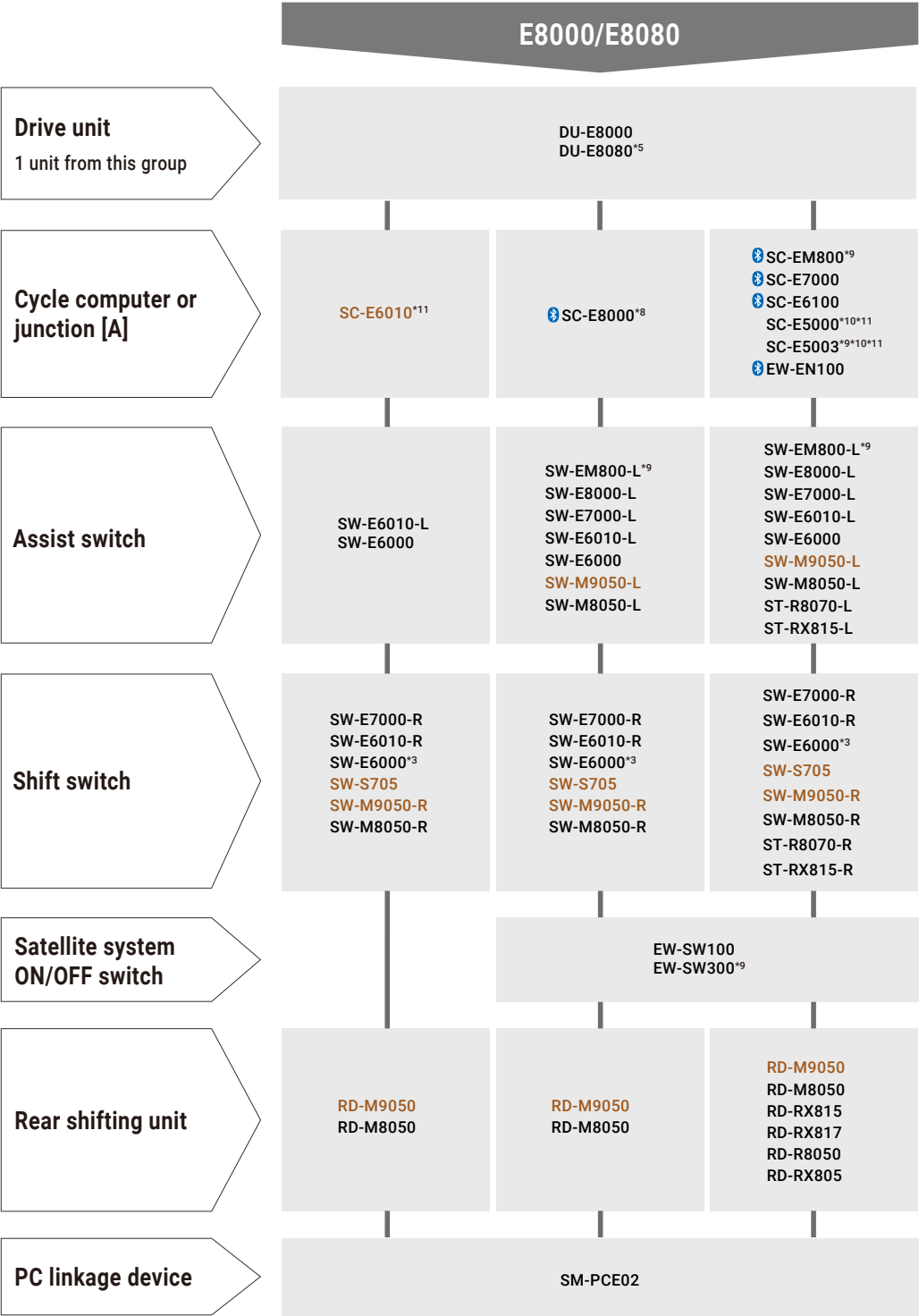
Remarks
New models: **XX-####**
Discontinued: **XX-####**



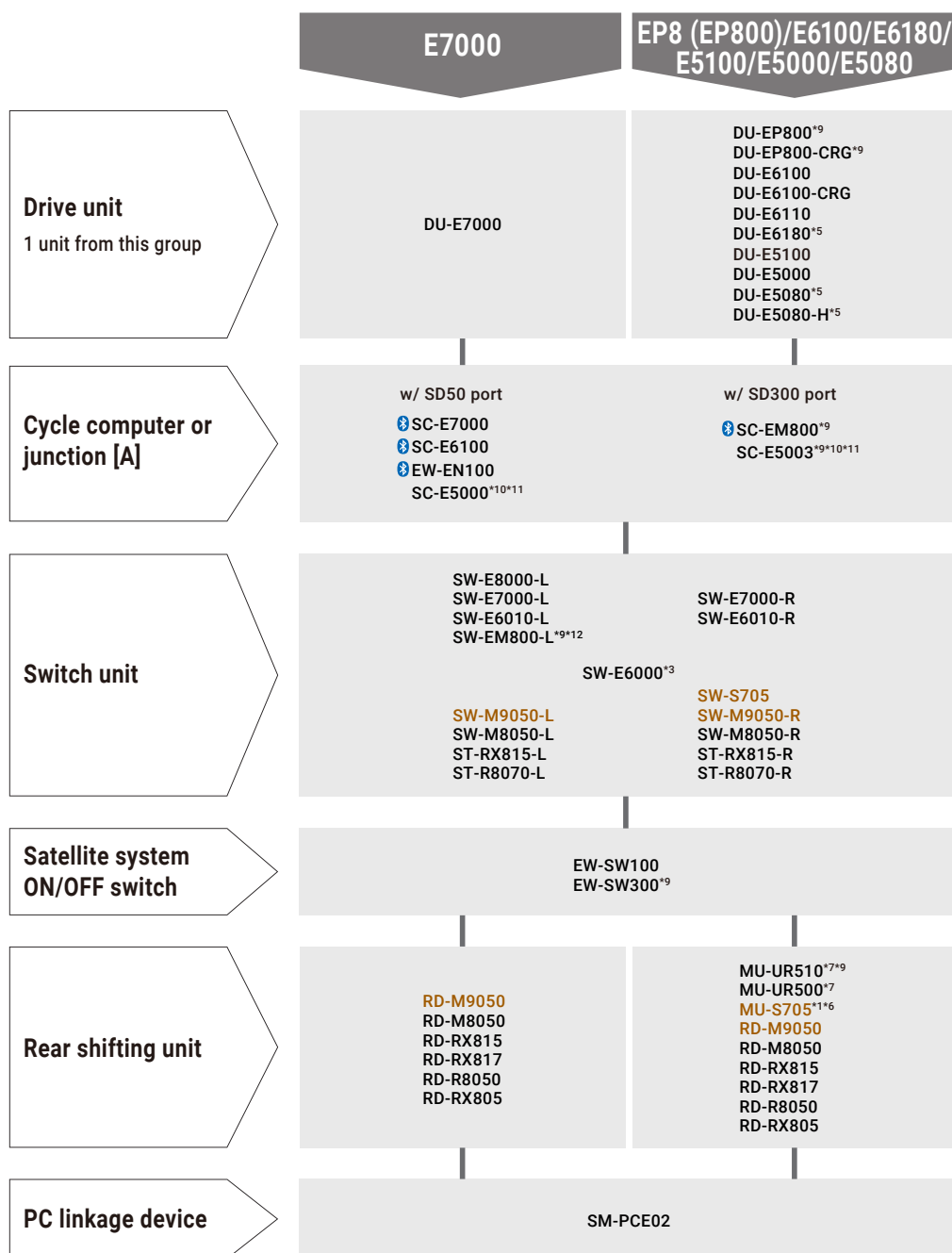
Remarks

New models: XX-####

Discontinued: XX-####



Remarks
 New models: **XX-####**
 Discontinued: **XX-####**



Limitation of function ■■■■■■■■

- *1 Automatic gear shifting is available only with 8-speed internal geared hubs (Not available with rear derailleurs).
- *2 Not support automatic shift.
- *3 Need to change Switch setting by E-TUBE PROJECT.
- *4 North American market only.
- *5 Japanese market only.
- *6 Available only with 11-speed and 8-speed internal geared hubs.
- *7 Automatic gear shifting is available only with 8 speed and 5 speed internal geared hub system. (Not available with Rear Derailleur)
- *8 Not available in Japan market.
- *9 This unit has SD300 port, and needs EW-AD305 for connection with SD50 port unit.
- *10 SC-E5000, SC-E5003 is only for ø22.2 handlebar. Drop handlebar is unavailable.
- *11 Not supported by E-TUBE PROJECT Cyclist.
- *12 To use as a shift switch, the switch settings need to be changed in E-TUBE PROJECT.
- *13 To use SC-E6100, firmware version need to be updated 4.2.0 or later.

Remarks
New models: [XX-####](#)
Discontinued: [XX-####](#)

Switch unit

Max. 3 wireless units
except satellite shifter
from this group *1

Wireless only spec.

ST-RX825-L ST-RX825-R

ST-R7170-L ST-R7170-R

Satellite shifter (option)
SW-RS801-S SW-RS801-T

SW-M9250-R SW-M9250-IR
SW-M8250-R SW-M8250-IR
SW-M6250-R SW-M6250-IR
SW-EN605-R

Wireless or SD300 wired spec.

ST-R9270-L ST-R9270-R
ST-R8170-L ST-R8170-R

* Wireless connection only.

Satellite shifter (option)
SW-RS801-S SW-RS801-T

Rear shifting unit

RD-U8050-SGS
RD-M9260-12
RD-M8260-12
RD-M6260-12

RD-U8050-GS
RD-M9260-11L
RD-M8260-11L
RD-M6260-11L

MU-UR520

**Electric cable for
non SHIMANO
E-BIKE system**

EW-PS300

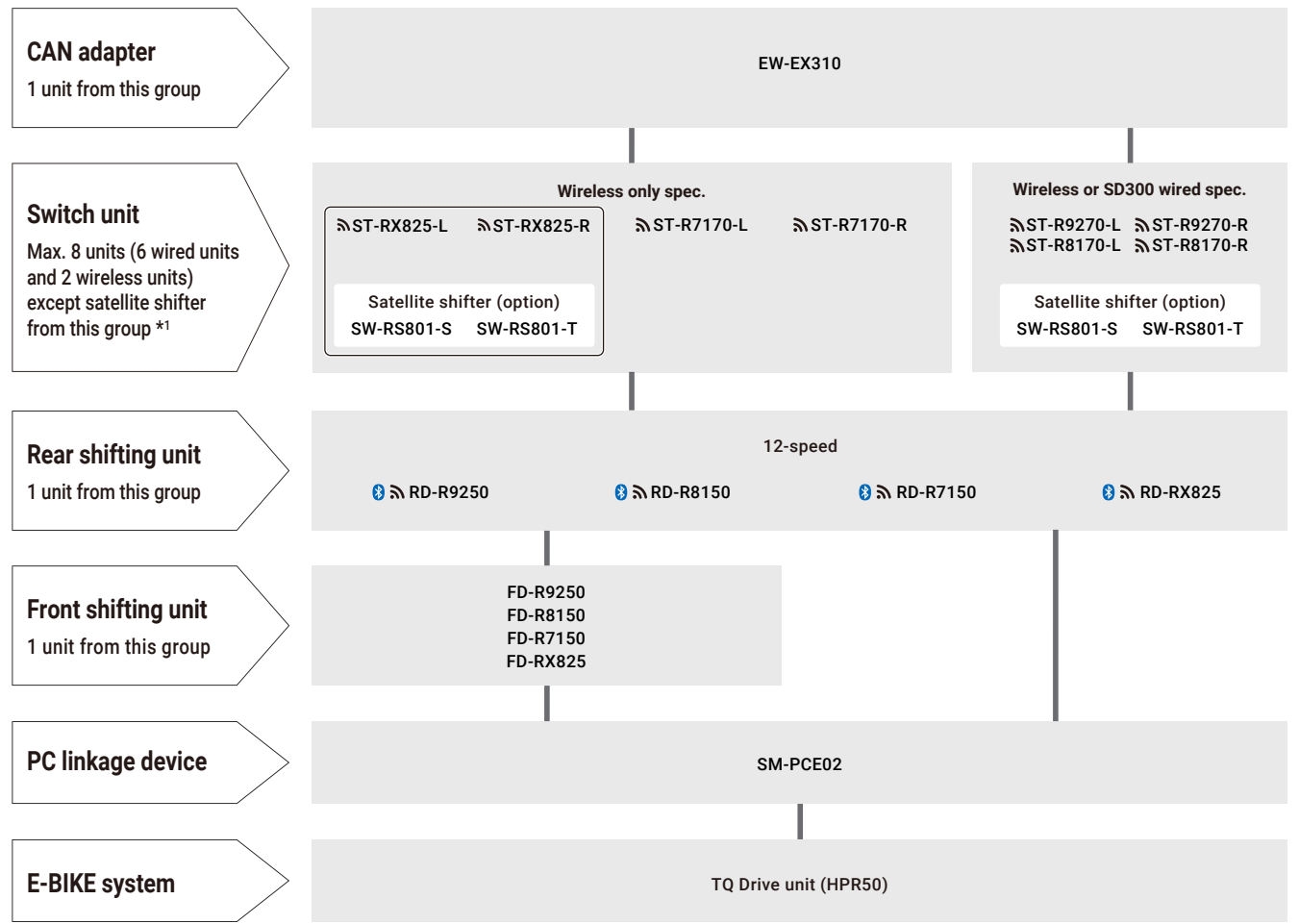
E-BIKE system

BOSCH / The smart system

Limitation of function ■■■■■■■■

- *1 The number of connectable wireless units is limited as follows:
- DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit
 - Switch unit: maximum of one SW-R/IR

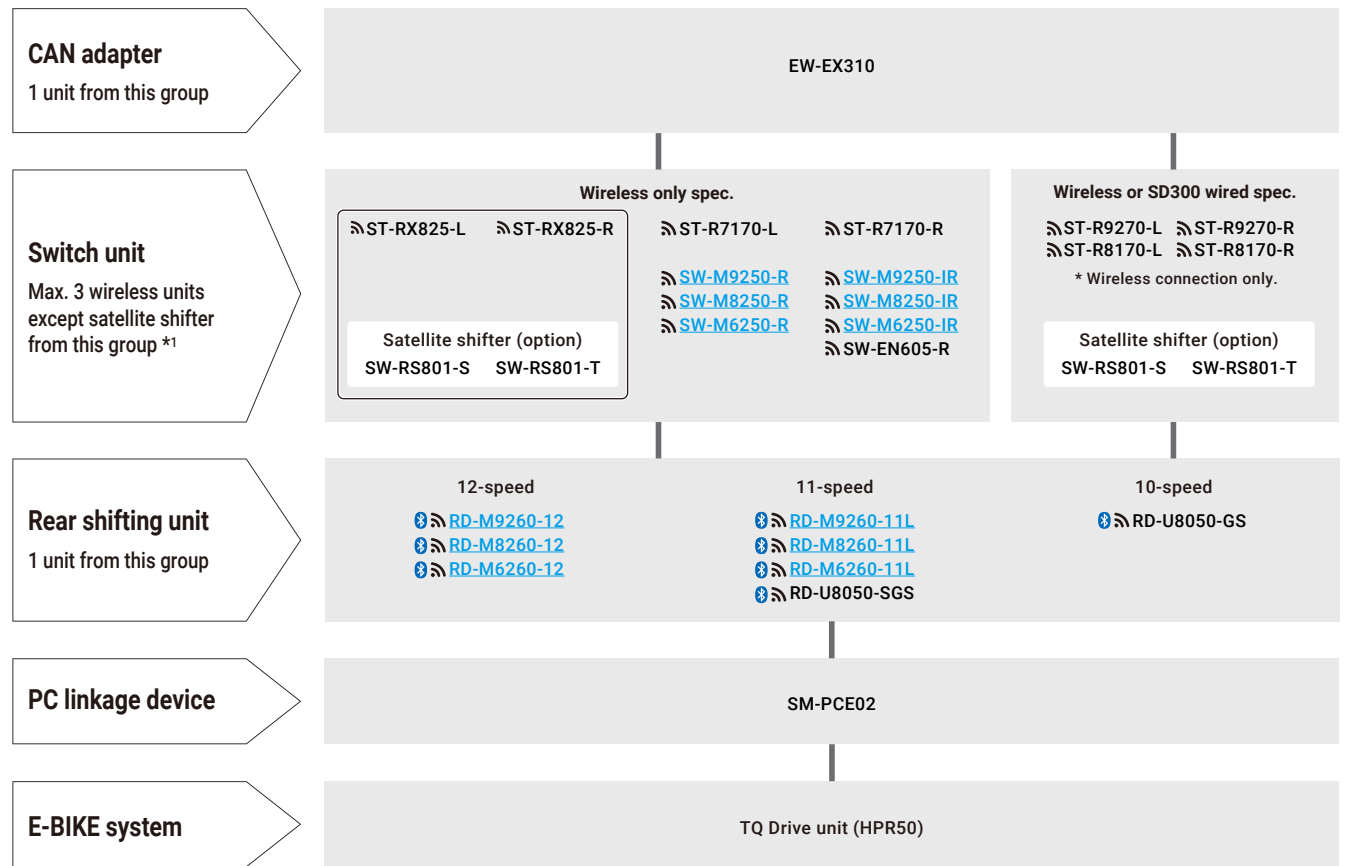
Remarks
New models: [XX-####](#)
Discontinued: [XX-####](#)



Limitation of function ■■■■■■■■

*1 The number of connectable wireless units is limited as follows:
- DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit

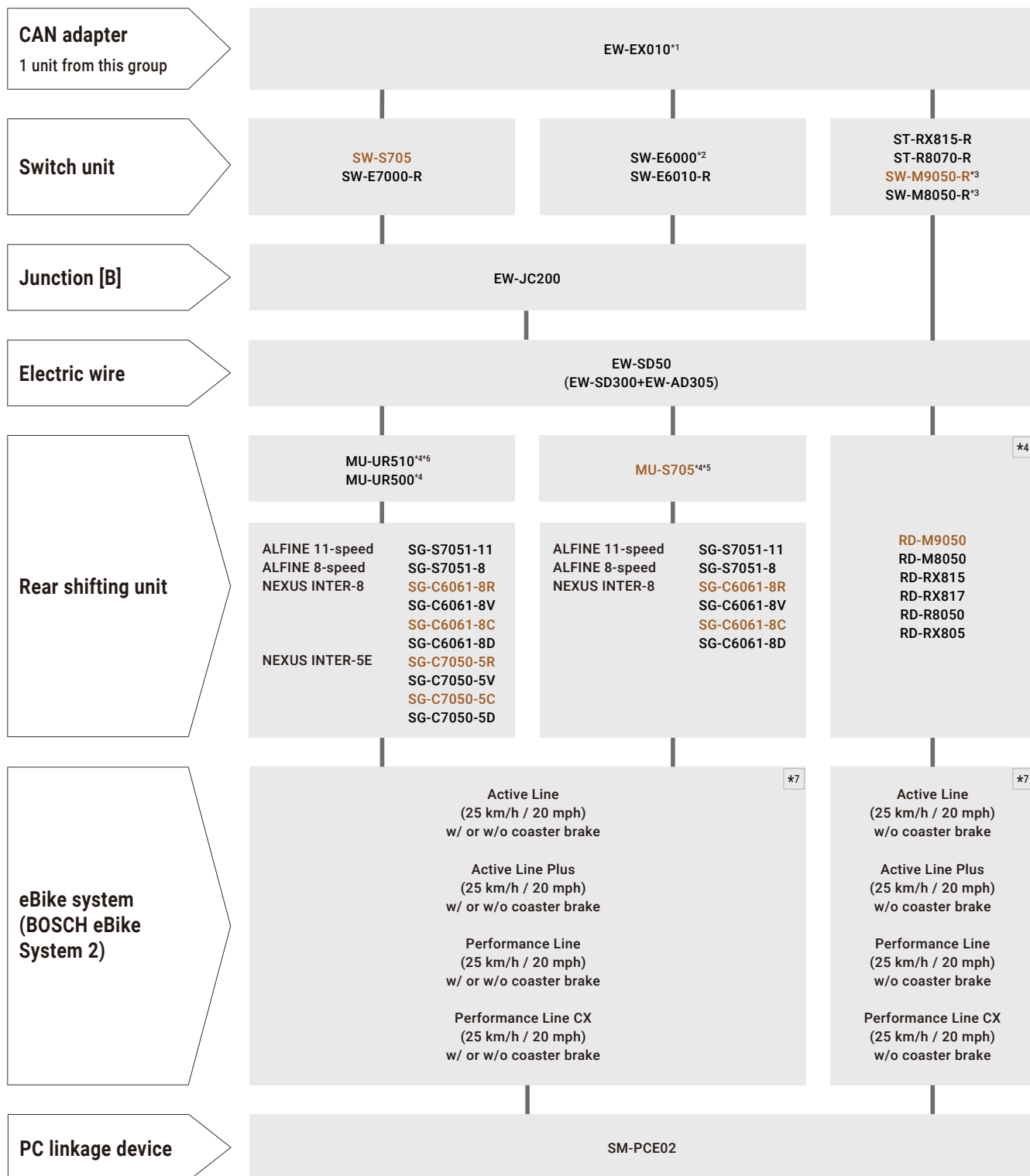
Remarks
New models: [XX-####](#)
Discontinued: [XX-####](#)



Limitation of function ■■■■■■■■

- *1 The number of connectable wireless units is limited as follows:
- DUAL CONTROL LEVER: ST-R max. one unit, ST-L max. one unit
 - Switch unit: maximum of one SW-R/IR

Remarks
 New models: **XX-####**
 Discontinued: **XX-####**



Limitation of function ■■■■■■■■

- *1 EW-EX010 and BOSCH eBike system are connected by Y-harness which is provided by BOSCH
- *2 Need to change switch setting by E-TUBE PROJECT.
- *3 Cannot change manual gear shifting to automatic gear shifting and its opposite.
- *4 Automatic gear shifting is available only with internal geared hub by **MU-S705** / MU-UR500 / MU-UR510. (Not available with rear derailleur)
- *5 Compatible with 8-speed and 11-speed internal geared hub system only.
- *6 This unit has SD300 port and needs EW-AD305 for connection with SD50 port unit.
- *7 No compatibility with "Classic+ Line" and "Performance Line (45 km/h)".