

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-DN300

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

Master unit

1 unit from this group

Internal Battery
BT-DN300

Switch unit

Max. 8 units
(6 wired units and
2 wireless units)
from this group *3*4

Wireless only spec.

Wireless or SD300 wired spec.

SD300 wired spec.

SD50 wired spec.

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

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

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

SW-M8150-R
SW-M8150-IR

ST-R9160-L ST-R9160-R
ST-R9180-L ST-R9180-R
ST-R8060-L ST-R8060-R

*1*2

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

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

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

SW-R9150
SW-R9160

Rear shifting system

1 unit from this group

12-speed

RD-R9250

RD-R8150

RD-R7150

RD-RX825

Front shifting system

1 unit from this group

FD-R9250

FD-R8150

FD-R7150

FD-RX825

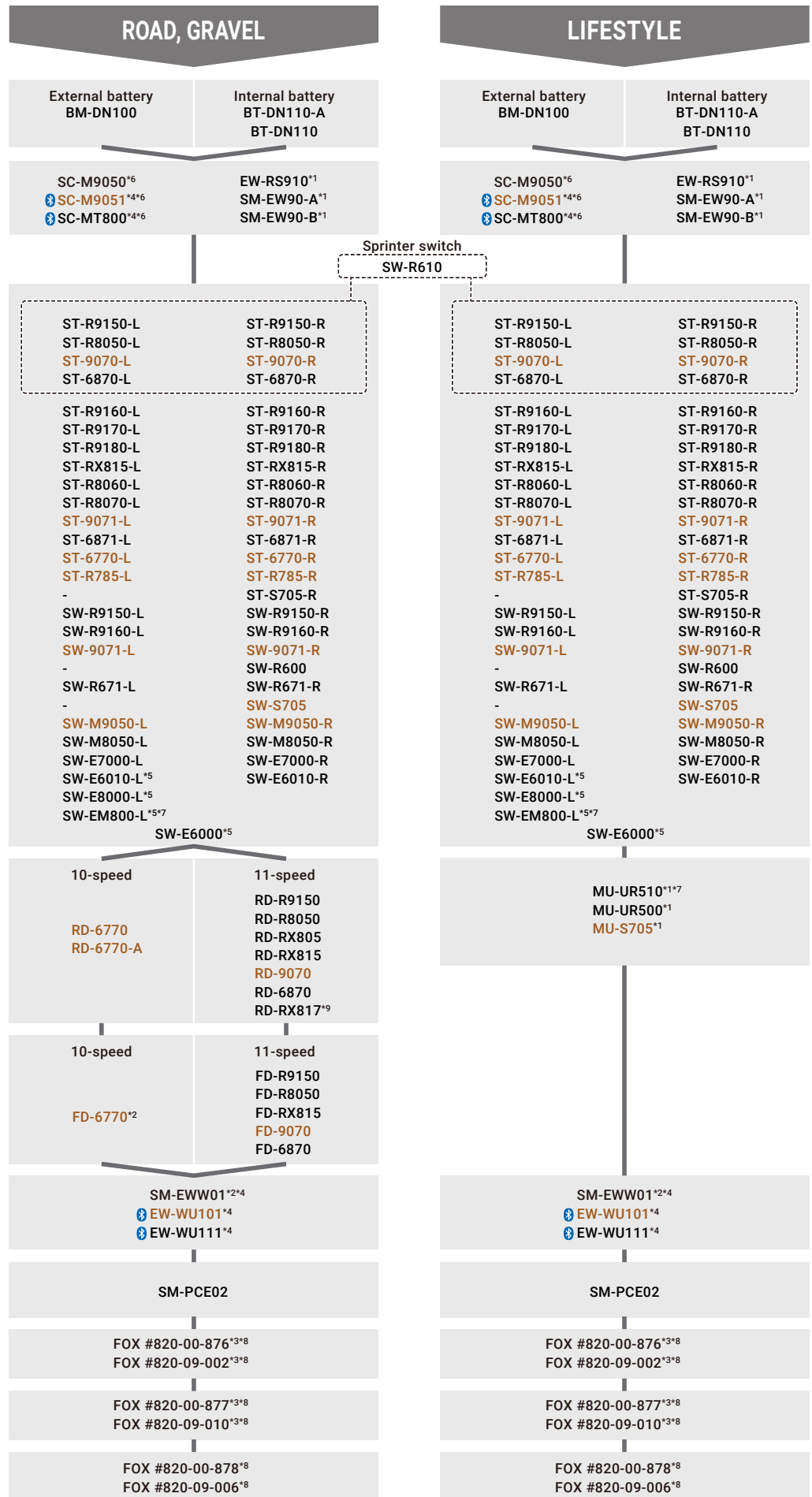
PC linkage device

SM-PCE02

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

- *1 Wired connection to BT-DN300 only.
- *2 EW-AD305 is needed.
- *3 Wireless DUAL CONTROL LEVERs must be paired Right and Left (It's not allowed to choose two of right side units or 2 of left side units)
- *4 There is no limitation to connect switch unit for right side or left side unit in case of it's wired connection.

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



Master unit
 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 system
 1 unit from this group

Front shifting system
 1 unit from this group

Wireless unit
 1 unit from this group

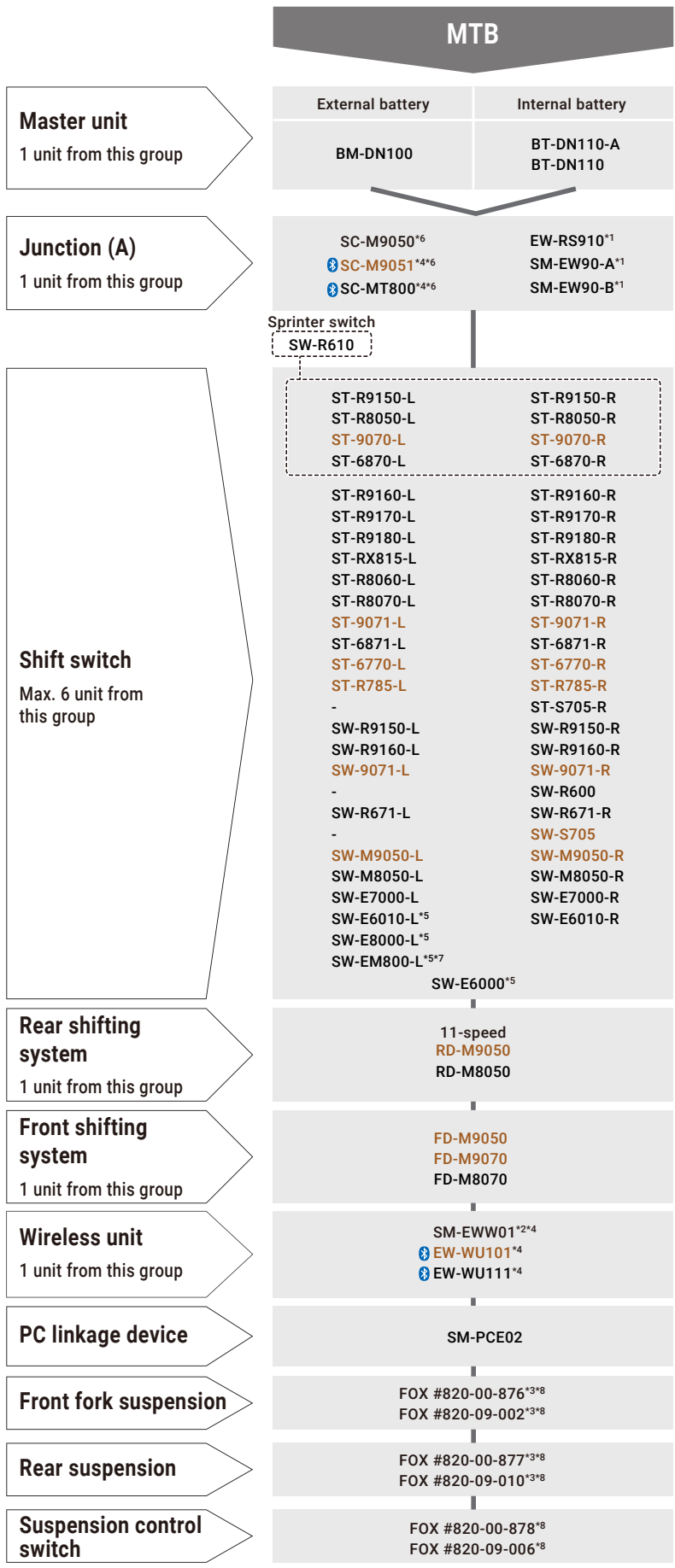
PC linkage device

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-####**

Master unit
 1 unit from this group

Junction (A)
 1 unit from this group

Switch unit
 Max. 6 unit from this group

Rear shifting system
 1 unit from this group

Front shifting system
 1 unit from this group

Wireless unit
 1 unit from this group

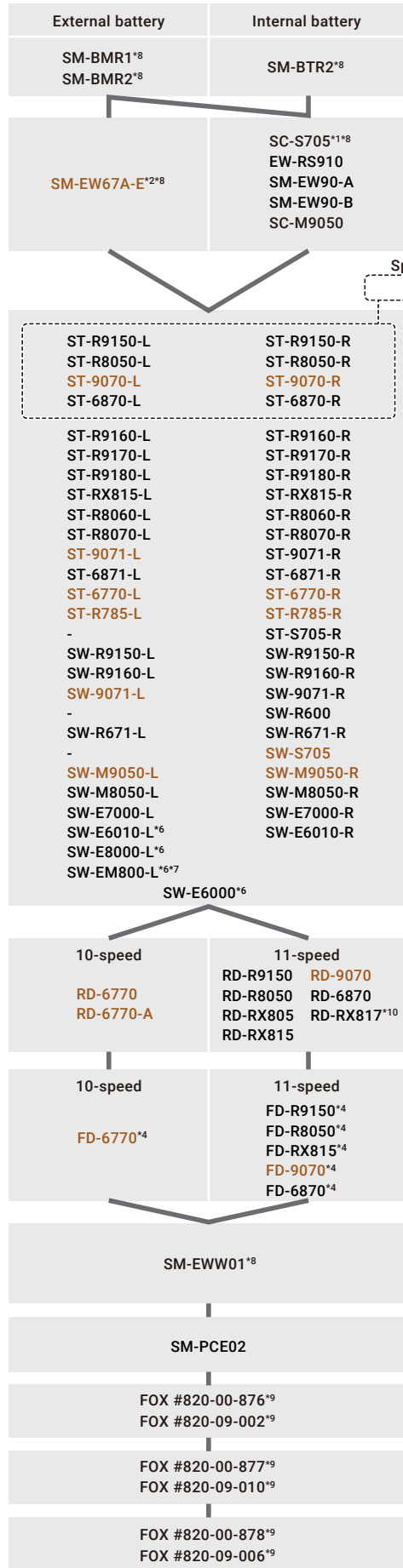
PC linkage device

Front fork suspension

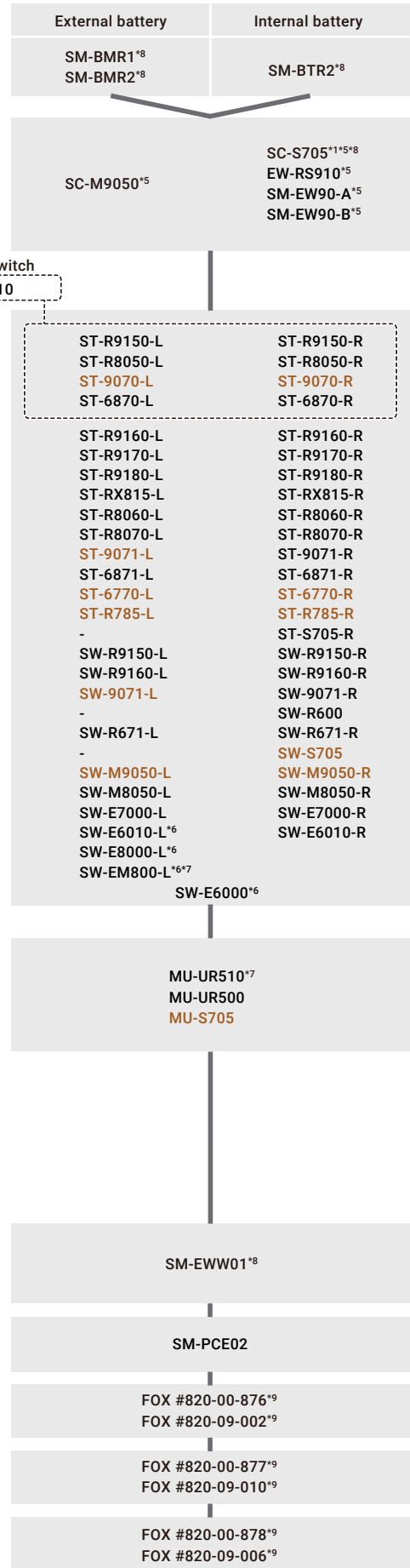
Rear suspension

Suspension control switch

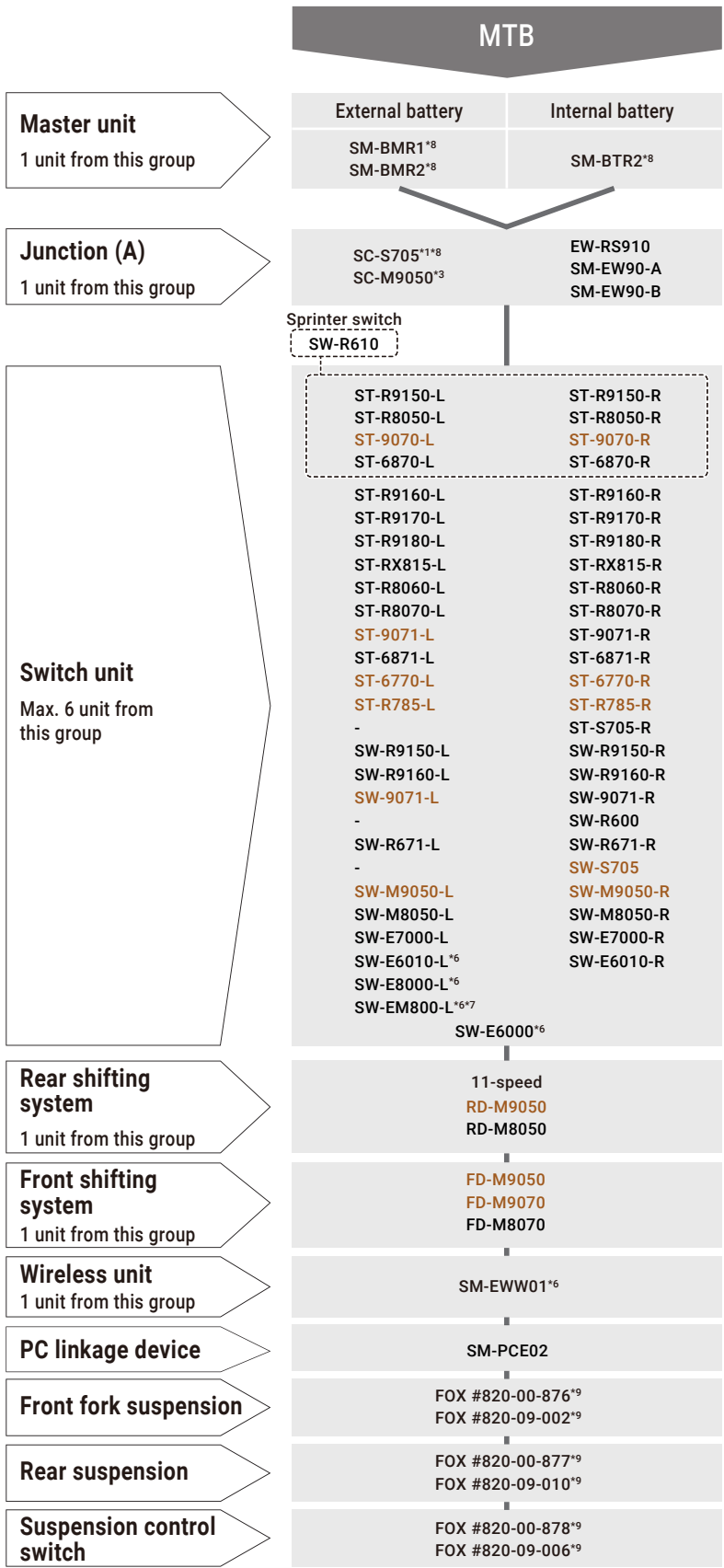
ROAD, GRAVEL



LIFESTYLE



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



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.

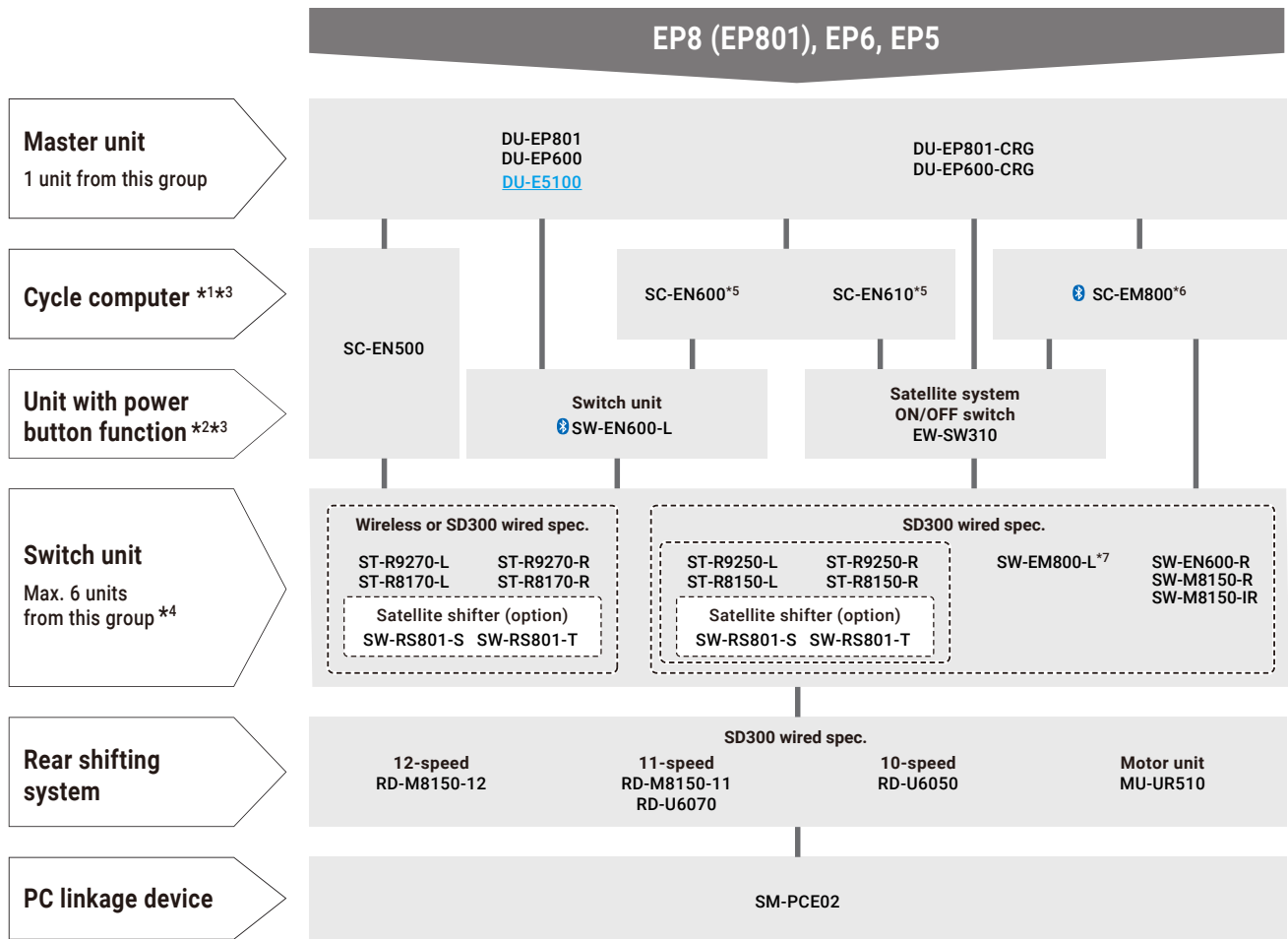
2nd generation (Gen.2) battery management system

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.



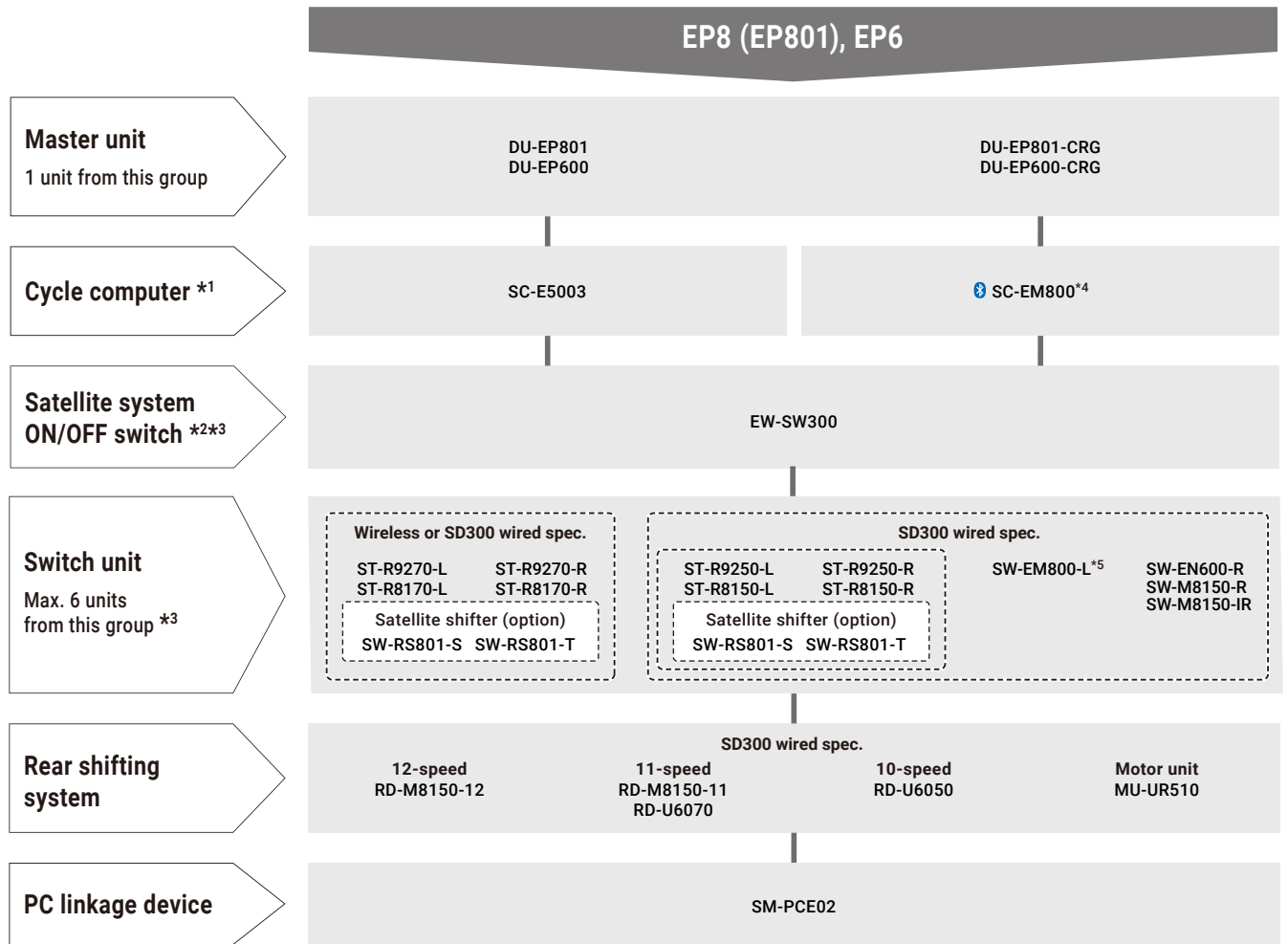
Limitation of function ■■■■■■■■

- *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 Switch unit is mandatory for assist control. But E-TUBE PROJECT Factory is not compatible with the combination of cycle computer and switch unit.
- *6 When drive unit (US class 3) is connected, cycle computer can displays main screen (speed and assist bar) only.
- *7 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 ■■■■■■■■

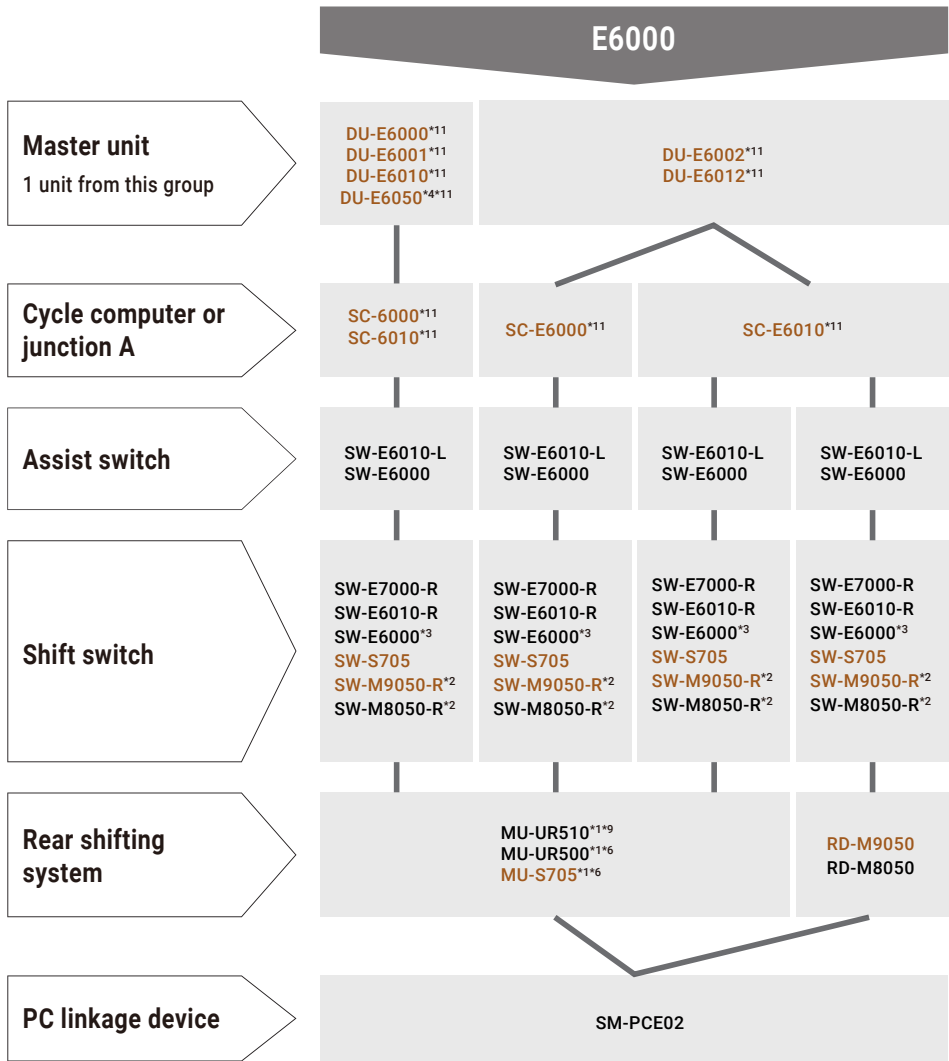
- *1 Cycle computer is mandatory.
- *2 When power on/off function on other unit, satellite power on/off switch isn't mandatory.
- *3 Switch units are defined by model no. [SW], [ST], and [EW-SW] in this chart.
- *4 When drive unit (US class 3) is connected, cycle computer can displays main screen (speed 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-####**

E8000/E8080

Master unit
 1 unit from this group

DU-E8000
 DU-E8080⁵

Cycle computer or junction A

SC-E6010 ^{*11}	SC-E8000 ⁸	<ul style="list-style-type: none"> SC-EM800⁹ SC-E7000 SC-E6100 SC-E5000^{*10*11} SC-E5003^{9*10*11} EW-EN100
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Assist switch

SW-E6010-L SW-E6000	SW-EM800-L ⁹ SW-E8000-L SW-E7000-L SW-E6010-L SW-E6000 SW-M9050-L SW-M8050-L	SW-EM800-L ⁹ SW-E8000-L SW-E7000-L SW-E6010-L SW-E6000 SW-M9050-L SW-M8050-L ST-R8070-L ST-RX815-L
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Shift switch

SW-E7000-R SW-E6010-R SW-E6000 ³ SW-S705 SW-M9050-R SW-M8050-R	SW-E7000-R SW-E6010-R SW-E6000 ³ SW-S705 SW-M9050-R SW-M8050-R	SW-E7000-R SW-E6010-R SW-E6000 ³ SW-S705 SW-M9050-R SW-M8050-R ST-R8070-R ST-RX815-R
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Satellite system ON/OFF switch

EW-SW100
 EW-SW300⁹

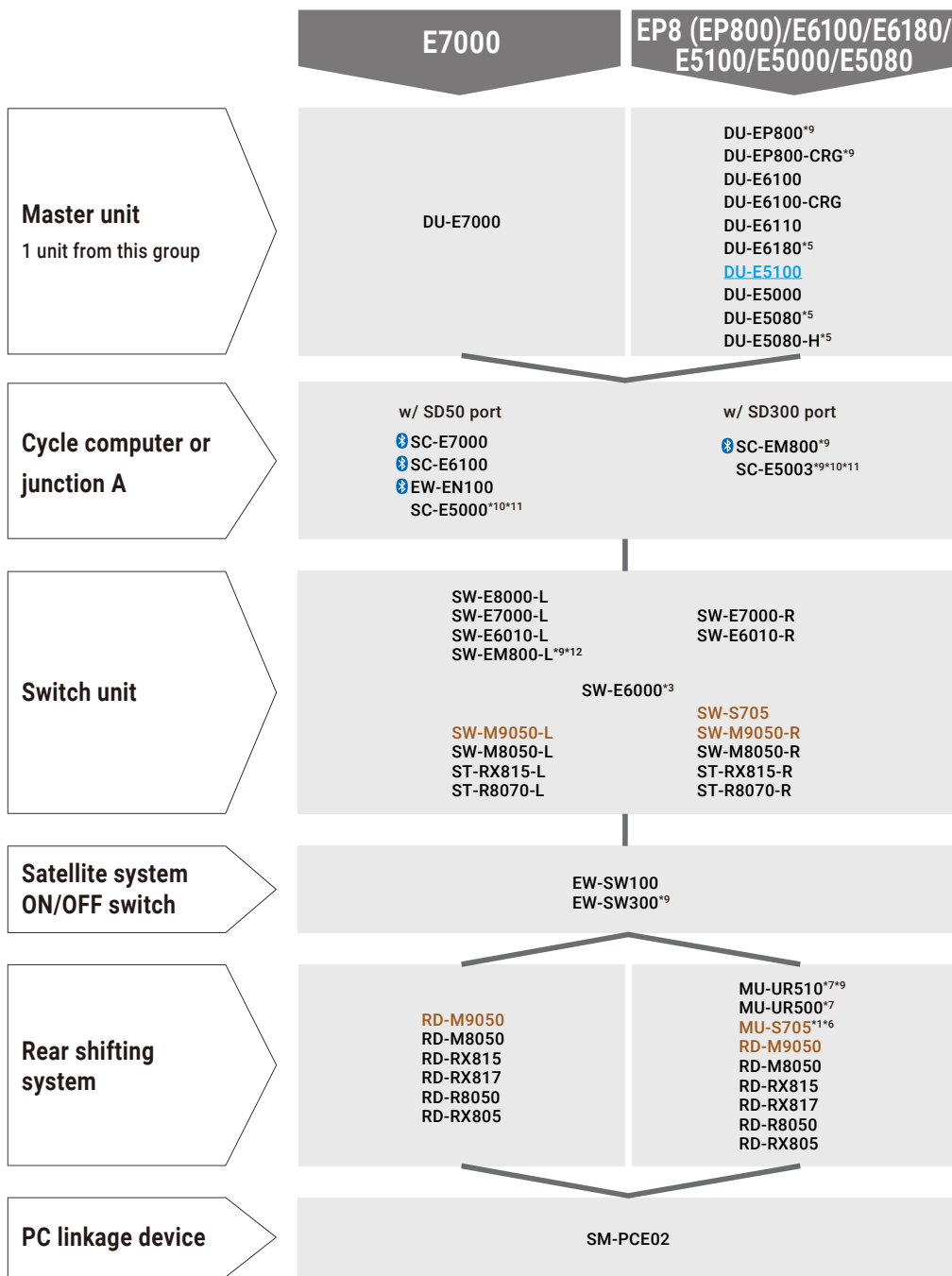
Rear shifting system

RD-M9050 RD-M8050	RD-M9050 RD-M8050	RD-M9050 RD-M8050 RD-RX815 RD-RX817 RD-R8050 RD-RX805
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PC linkage device

SM-PCE02

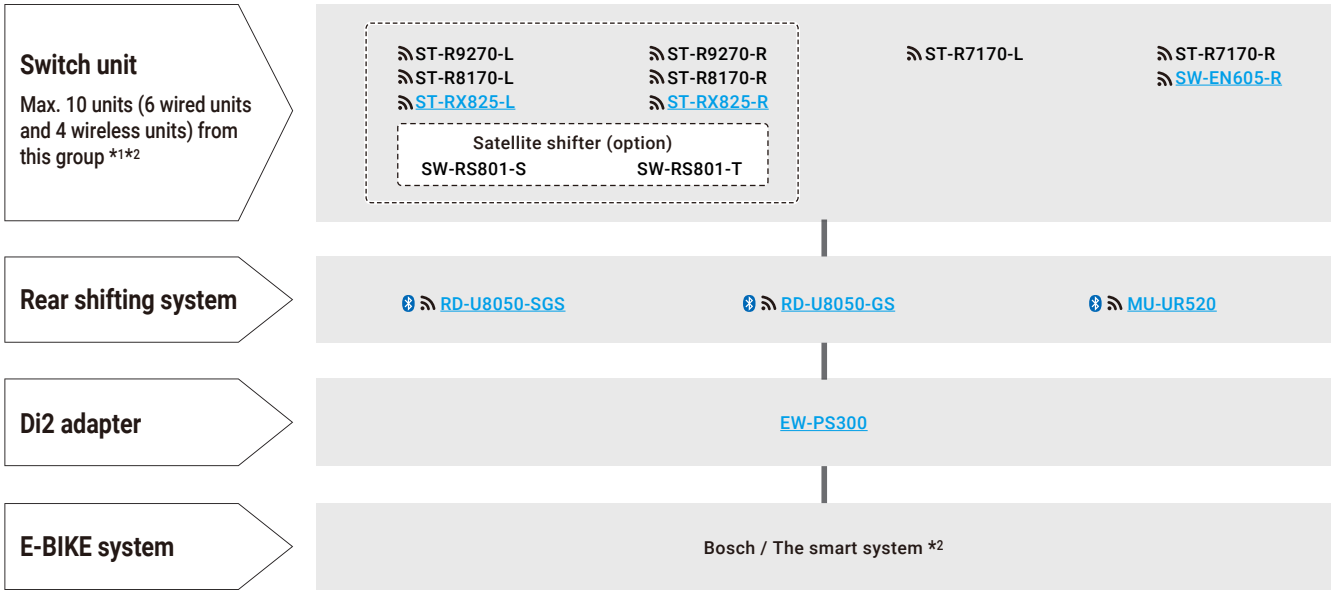
Remarks
 New models: **XX-####**
 Discontinued: **XX-####**



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.

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

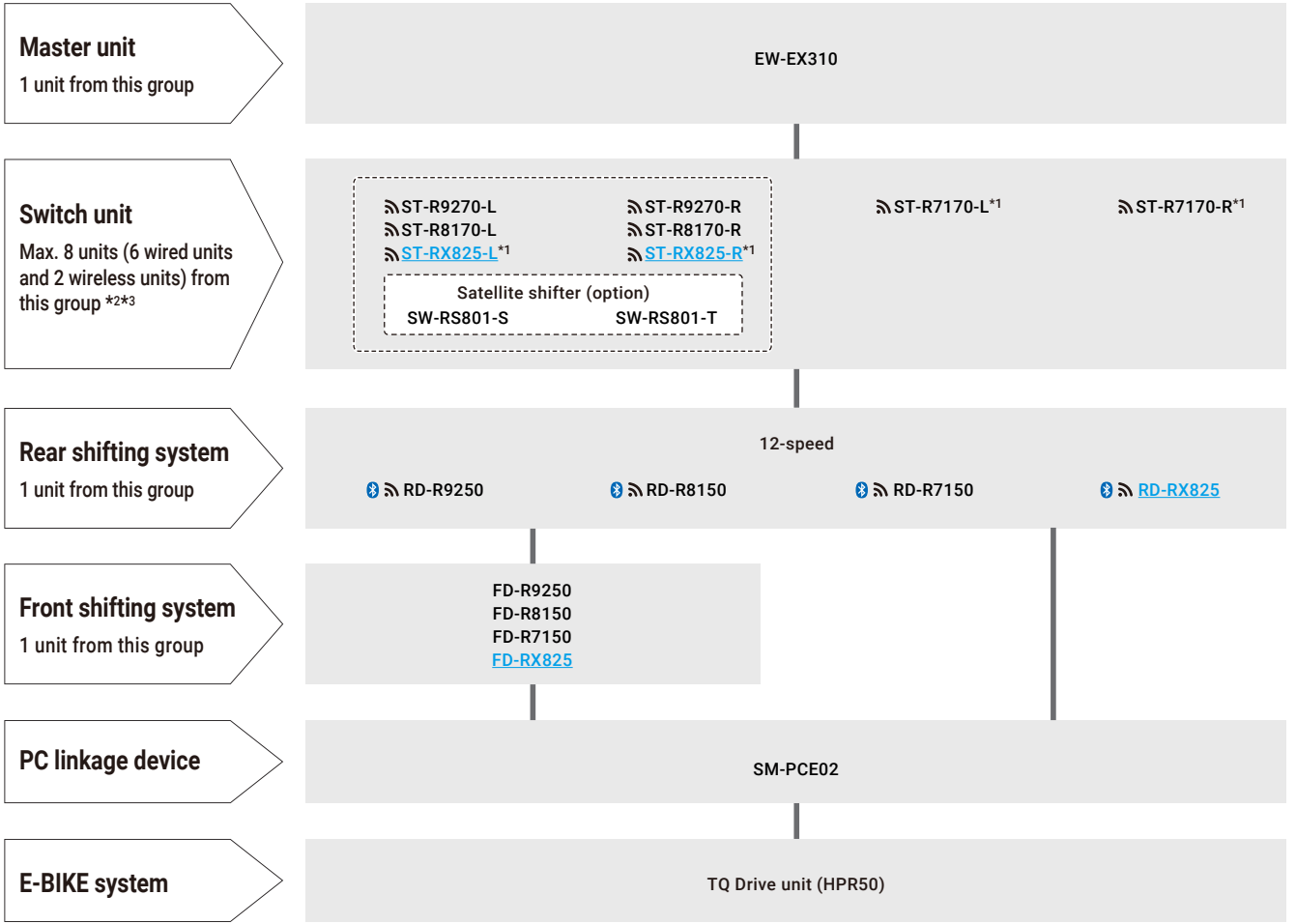


Limitation of function ■■■■■■■■

*1 Wireless DUAL CONTROL LEVERs must be paired Right and Left (It's not allowed to choose two of right side units or 2 of left side units)

*2 There is no limitation to connect switch unit for right side or left side unit in case of it's wired connection.

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



Limitation of function ■■■■■■■■

- *1 Wireless connection only
- *2 Wireless DUAL CONTROL LEVERs must be paired Right and Left (It's not allowed to choose two of right side units or 2 of left side units)
- *3 There is no limitation to connect switch unit for right side or left side unit in case of it's wired connection.

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

Master unit
 1 unit from this group

Switch unit

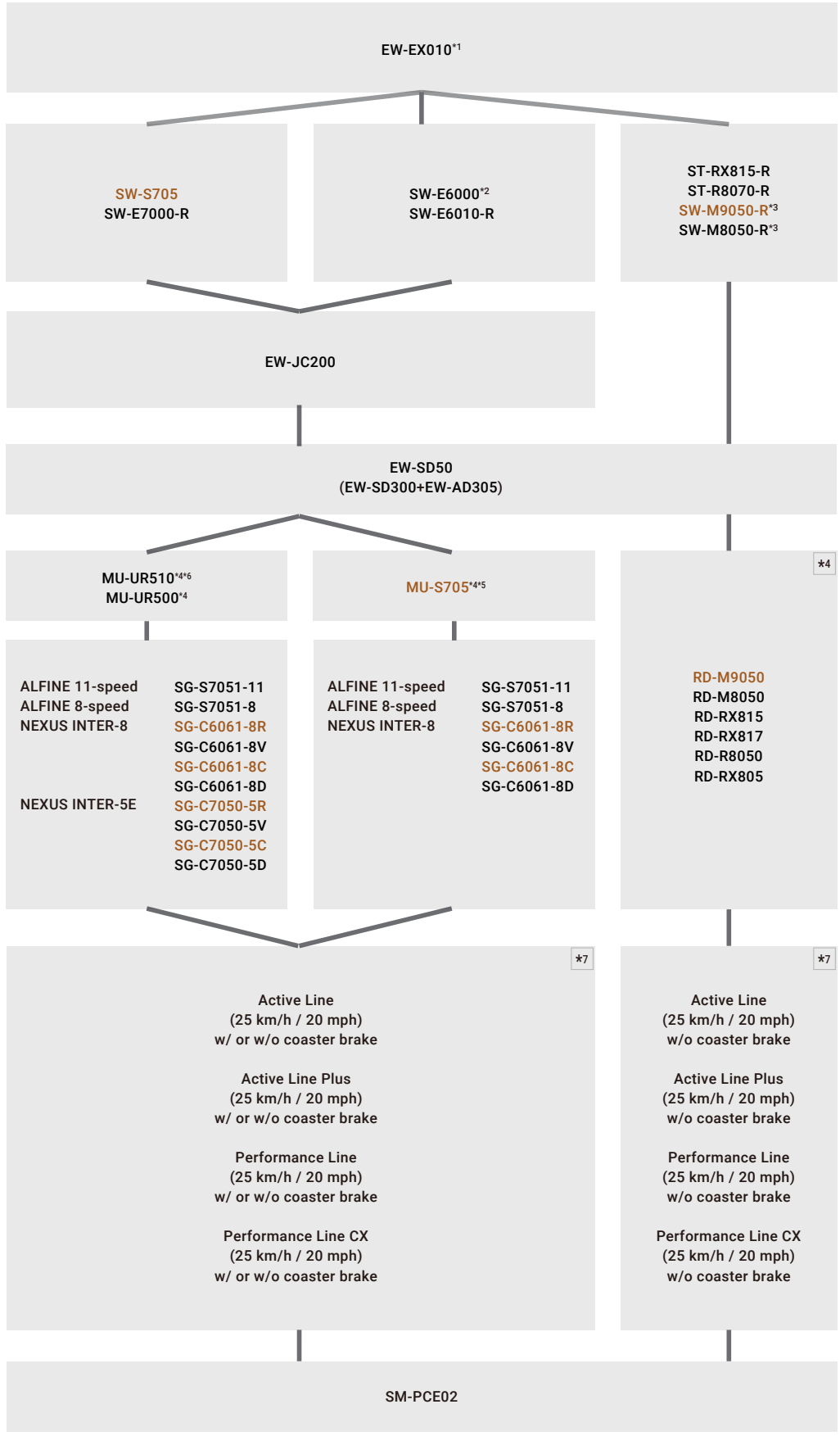
Junction [B]

Electric wire

Rear shifting system

eBike system (BOSCH eBike System 2)

PC linkage device



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)".