## Annex A Table of virtual key codes on remote Controller

The table below shows virtual key codes of the remote Controller keys used by the HandleKeyInput command in <a href="Command">Command</a>. To send virtual key codes to the Host using HandleKeyInput, assign appropriate values for desired purposes by referring to the table below.

[Table] Virtual key codes on remote Controller

n remote Controller
Description
POWER
Number 0
Number 1
Number 2
Number 3
Number 4
Number 5
Number 6
Number 7
Number 8
Number 9
UP key among remote Controller's 4 direction keys
DOWN key among remote Controller's 4 direction keys
LEFT key among remote Controller's 4 direction keys
RIGHT key among remote Controller's 4 direction keys
ОК
Home menu
Menu key (same with Home menu key)
Previous key (Back)
Volume up
Volume down
Mute (toggle)
Channel UP (+)
Channel DOWN (-)
Blue key of data broadcast
Green key of data broadcast
Red key of data broadcast

34         Pause           35         Stop           36         Fast forward (FF)           37         Rewind (REW)           38         Skip Forward           39         Skip Backward           40         Record           41         Recording list           42         Repeat           43         Live TV           44         EPG           45         Current program information           46         Aspect ratio           47         External input           48         PIP secondary video           49         Show / Change subtitle           50         Program list           51         Tele Text           52         Mark           400         3D Video           401         3D L/R           402         Dash (-)           403         Previous channel (Flash back)           404         Favorite channel           405         Quick menu           406         Text Option           407         Audio Description           408         NetCast key (same with Home menu)           409         Energy saving	Virtual key code (decimal number)	Description
36 Fast forward (FF) 37 Rewind (REW) 38 Skip Forward 39 Skip Backward 40 Record 41 Recording list 42 Repeat 43 Live TV 44 EPG 45 Current program information 46 Aspect ratio 47 External input 48 PIP secondary video 49 Show / Change subtitle 50 Program list 51 Tele Text 52 Mark 400 3D Video 401 3D L/R 402 Dash (-) 403 Previous channel (Flash back) 404 Favorite channel 405 Quick menu 406 Text Option 407 Audio Description 408 NetCast key (same with Home menu) 409 Energy saving 410 AV mode 411 SIMPLINIK 412 Exit		Pause
37         Rewind (REW)           38         Skip Forward           39         Skip Backward           40         Record           41         Recording list           42         Repeat           43         Live TV           44         EPG           45         Current program information           46         Aspect ratio           47         External input           48         PIP secondary video           49         Show / Change subtitle           50         Program list           51         Tele Text           52         Mark           400         3D Video           401         3D L/R           402         Dash (-)           403         Previous channel (Flash back)           404         Favorite channel           405         Quick menu           406         Text Option           407         Audio Description           408         NetCast key (same with Home menu)           409         Energy saving           410         AV mode           411         SIMPLINK           412         Exit	35	Stop
38         Skip Forward           39         Skip Backward           40         Record           41         Recording list           42         Repeat           43         Live TV           44         EPG           45         Current program information           46         Aspect ratio           47         External input           48         PIP secondary video           49         Show / Change subtitle           50         Program list           51         Tele Text           52         Mark           400         3D Video           401         3D L/R           402         Dash (-)           403         Previous channel (Flash back)           404         Favorite channel           405         Quick menu           406         Text Option           407         Audio Description           408         NetCast key (same with Home menu)           409         Energy saving           410         A/V mode           411         SIMPLINK           412         Exit	36	Fast forward (FF)
Skip Backward	37	Rewind (REW)
40 Record 41 Recording list 42 Repeat 43 Live TV 44 EPG 45 Current program information 46 Aspect ratio 47 External input 48 PIP secondary video 49 Show / Change subtitle 50 Program list 51 Tele Text 52 Mark 400 3D Video 401 3D L/R 402 Dash (-) 403 Previous channel (Flash back) 404 Favorite channel 405 Quick menu 406 Text Option 407 Audio Description 408 NetCast key (same with Home menu) 409 Energy saving 410 A/V mode 411 SIMPLINK 412 Exit	38	Skip Forward
41       Recording list         42       Repeat         43       Live TV         44       EPG         45       Current program information         46       Aspect ratio         47       External input         48       PIP secondary video         49       Show / Change subtitle         50       Program list         51       Tele Text         52       Mark         400       3D Video         401       3D L/R         402       Dash (-)         403       Previous channel (Flash back)         404       Favorite channel         405       Quick menu         406       Text Option         407       Audio Description         408       NetCast key (same with Home menu)         409       Energy saving         410       A/V mode         411       SIMPLINK         412       Exit	39	Skip Backward
42 Repeat 43 Live TV 44 EPG 45 Current program information 46 Aspect ratio 47 External input 48 PIP secondary video 49 Show / Change subtitle 50 Program list 51 Tele Text 52 Mark 400 3D Video 401 3D L/R 402 Dash (-) 403 Previous channel (Flash back) 404 Favorite channel 405 Quick menu 406 Text Option 407 Audio Description 408 NetCast key (same with Home menu) 409 Energy saving 410 A/V mode 411 SIMPLINK 412 Exit	40	Record
43         Live TV           44         EPG           45         Current program information           46         Aspect ratio           47         External input           48         PIP secondary video           49         Show / Change subtitle           50         Program list           51         Tele Text           52         Mark           400         3D Video           401         3D L/R           402         Dash (-)           403         Previous channel (Flash back)           404         Favorite channel           405         Quick menu           406         Text Option           407         Audio Description           408         NetCast key (same with Home menu)           409         Energy saving           410         A/V mode           411         SIMPLINK           412         Exit	41	Recording list
44 EPG  45 Current program information  46 Aspect ratio  47 External input  48 PIP secondary video  49 Show / Change subtitle  50 Program list  51 Tele Text  52 Mark  400 3D Video  401 3D L/R  402 Dash (-)  403 Previous channel (Flash back)  404 Favorite channel  405 Quick menu  406 Text Option  407 Audio Description  408 NetCast key (same with Home menu)  409 Energy saving  410 A/V mode  411 SIMPLINK  412 Exit	42	Repeat
45         Current program information           46         Aspect ratio           47         External input           48         PIP secondary video           49         Show / Change subtitle           50         Program list           51         Tele Text           52         Mark           400         3D Video           401         3D L/R           402         Dash (-)           403         Previous channel (Flash back)           404         Favorite channel           405         Quick menu           406         Text Option           407         Audio Description           408         NetCast key (same with Home menu)           409         Energy saving           410         AV mode           411         SIMPLINK           412         Exit	43	Live TV
46       Aspect ratio         47       External input         48       PIP secondary video         49       Show / Change subtitle         50       Program list         51       Tele Text         52       Mark         400       3D Video         401       3D L/R         402       Dash (-)         403       Previous channel (Flash back)         404       Favorite channel         405       Quick menu         406       Text Option         407       Audio Description         408       NetCast key (same with Home menu)         409       Energy saving         410       A/V mode         411       SIMPLINK         412       Exit	44	EPG
47       External input         48       PIP secondary video         49       Show / Change subtitle         50       Program list         51       Tele Text         52       Mark         400       3D Video         401       3D L/R         402       Dash (-)         403       Previous channel (Flash back)         404       Favorite channel         405       Quick menu         406       Text Option         407       Audio Description         408       NetCast key (same with Home menu)         409       Energy saving         410       A/V mode         411       SIMPLINK         412       Exit	45	Current program information
48       PIP secondary video         49       Show / Change subtitle         50       Program list         51       Tele Text         52       Mark         400       3D Video         401       3D L/R         402       Dash (-)         403       Previous channel (Flash back)         404       Favorite channel         405       Quick menu         406       Text Option         407       Audio Description         408       NetCast key (same with Home menu)         409       Energy saving         410       A/V mode         411       SIMPLINK         412       Exit	46	Aspect ratio
49         Show / Change subtitle           50         Program list           51         Tele Text           52         Mark           400         3D Video           401         3D L/R           402         Dash (-)           403         Previous channel (Flash back)           404         Favorite channel           405         Quick menu           406         Text Option           407         Audio Description           408         NetCast key (same with Home menu)           409         Energy saving           410         A/V mode           411         SIMPLINK           412         Exit	47	External input
50         Program list           51         Tele Text           52         Mark           400         3D Video           401         3D L/R           402         Dash (-)           403         Previous channel (Flash back)           404         Favorite channel           405         Quick menu           406         Text Option           407         Audio Description           408         NetCast key (same with Home menu)           409         Energy saving           410         A/V mode           411         SIMPLINK           412         Exit	48	PIP secondary video
51       Tele Text         52       Mark         400       3D Video         401       3D L/R         402       Dash (-)         403       Previous channel (Flash back)         404       Favorite channel         405       Quick menu         406       Text Option         407       Audio Description         408       NetCast key (same with Home menu)         409       Energy saving         410       A/V mode         411       SIMPLINK         412       Exit	49	Show / Change subtitle
52       Mark         400       3D Video         401       3D L/R         402       Dash (-)         403       Previous channel (Flash back)         404       Favorite channel         405       Quick menu         406       Text Option         407       Audio Description         408       NetCast key (same with Home menu)         409       Energy saving         410       A/V mode         411       SIMPLINK         412       Exit	50	Program list
400       3D Video         401       3D L/R         402       Dash (-)         403       Previous channel (Flash back)         404       Favorite channel         405       Quick menu         406       Text Option         407       Audio Description         408       NetCast key (same with Home menu)         409       Energy saving         410       A/V mode         411       SIMPLINK         412       Exit	51	Tele Text
401       3D L/R         402       Dash (-)         403       Previous channel (Flash back)         404       Favorite channel         405       Quick menu         406       Text Option         407       Audio Description         408       NetCast key (same with Home menu)         409       Energy saving         410       A/V mode         411       SIMPLINK         412       Exit	52	Mark
402         Dash (-)           403         Previous channel (Flash back)           404         Favorite channel           405         Quick menu           406         Text Option           407         Audio Description           408         NetCast key (same with Home menu)           409         Energy saving           410         A/V mode           411         SIMPLINK           412         Exit	400	3D Video
403 Previous channel (Flash back) 404 Favorite channel 405 Quick menu 406 Text Option 407 Audio Description 408 NetCast key (same with Home menu) 409 Energy saving 410 A/V mode 411 SIMPLINK 412 Exit	401	3D L/R
404 Favorite channel  405 Quick menu  406 Text Option  407 Audio Description  408 NetCast key (same with Home menu)  409 Energy saving  410 A/V mode  411 SIMPLINK  412 Exit	402	Dash (-)
405 Quick menu  406 Text Option  407 Audio Description  408 NetCast key (same with Home menu)  409 Energy saving  410 A/V mode  411 SIMPLINK  412 Exit	403	Previous channel (Flash back)
406 Text Option  407 Audio Description  408 NetCast key (same with Home menu)  409 Energy saving  410 A/V mode  411 SIMPLINK  412 Exit	404	Favorite channel
407 Audio Description  408 NetCast key (same with Home menu)  409 Energy saving  410 A/V mode  411 SIMPLINK  412 Exit	405	Quick menu
408 NetCast key (same with Home menu)  409 Energy saving  410 A/V mode  411 SIMPLINK  412 Exit	406	Text Option
409 Energy saving  410 A/V mode  411 SIMPLINK  412 Exit	407	Audio Description
410 A/V mode  411 SIMPLINK  412 Exit	408	NetCast key (same with Home menu)
411 SIMPLINK 412 Exit	409	Energy saving
412 Exit	410	A/V mode
	411	SIMPLINK
413 Reservation programs list	412	Exit
	413	Reservation programs list

Virtual key code (decimal number)	Description
414	PIP channel UP
415	PIP channel DOWN
416	Switching between primary/secondary video
417	My Apps